

| Revision Pending Approval - Sept | tember 2003 |
|----------------------------------|--|
| FACILITY NAME AND ADDRESS: | PLEASE COMPLETE AND SUBMIT ONE COPY E. |
| | THIS DEDORT MIJET BE DOSTMARKED NO LAT |

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

| PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. |
|--|
| THIS REPORT MUST BE POSTMARKED NO LATER THAN THE |
| 28TH OF THE FOLLOWING MONTH. |

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015 Indianapolis, Indiana 46206-6015

| - 1 | N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | | 2 | 0 | 5 | | 0 | 4 | 1 | 7 |
|-----|---|---|---|------------|-------|---|---|---|---|-------------|---|---|----|---|----|---|---|
| | | | | :KIVII I I | NUMBE | ĸ | | | • | OUTFALL NO. | | М | Ο. | Υ | R. | | |

| EFFLUENT CHARACTERISTICS | | | Temp | erature | | | | |
|--|---------------------------|--|------------|---------|---|---|----------|--|
| | EFFLUENT PARAMETER NUMBER | | C00011 | ***** | | | | |
| | Permit Condition | | Continuous | ***** | | | | |
| SAMPLE TYPE | Monitored | | Continuous | ***** | | | | |
| ====================================== | Permit Condition | | 1X hour | ***** | | | | |
| FREQUENCY | Monitored | | 1X hour | ***** | | | | |
| | Permit Minimum | | **** | ***** | | | | |
| EFFLUENT | Permit Average | | NA | ***** | | | | |
| LIMITATIONS | Permit Maximum | | 73 | ***** | | | | |
| | UNITS = | | °F | | | | | |
| | 1 | | 49 | | | | | |
| | 2 | | 49 | | | | | |
| | 3 | | 48 | | | | | |
| | 4 | | 48 | | | | | |
| | 5 | + | 48 | | | | | |
| <u> </u> | 6 | + | 48 | | | | | |
| | 7 | | | | | | | |
| | | | 49 | | | | | |
| | 8 | | 51 | | | | | |
| | 9 | | 51 | | | | | |
| | 10 | | 52 | | | | | |
| | 11 | | 50 | | | | | |
| | 12 | | 51 | | | | | |
| | 13 | | 52 | | | | | |
| | 14 | | 53 | | | | | |
| | 15 | | 55 | | | | | |
| | 16 | | 55 | | | | | |
| | 17 | | 55 | | | | | |
| | 18 | | 55 | | | | | |
| | 19 | | 55 | | | | | |
| | 20 | | 57 | | | | | |
| | 21 | | 55 | | | | | |
| | 22 | | 58 | | | | | |
| | 23 | | 58 | | | | | |
| | 24 | | 59 | | | | | |
| | 25 | | 59 | | | | | |
| | 26 | | 60 | | | | | |
| | 27 | | 57 | | | | | |
| | 28 | | 54 | | | | | |
| | 29 | | 54 | | | | | |
| | 30 | + | 54 | | | | | |
| | | + | | | | | | |
| MONTHLY AVERAG | E | | | | | | | |
| HIGHEST VALUE | | | 60 | | | | | |
| LOWEST VALUE | | | 30 | | | | | |
| NO. OF TIMES WEE | KI Y OR DAII V | | | | | | | |
| EFFL. LIMITATIONS | | | 0 | | | | | |
| L. I L. LIIVII ATIONS | LAOLLDLD | | | | l | 1 | <u>l</u> | |
| | | | | | | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

5/21/2017 DATE

Joseph E. Hanning, Manager Environmental Control

Page 6 of 84



Revision Pending Approval - September 2003

| FACILITY NAME AND ADDRESS: | |
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| | |
| U.S. Steel Corporation | |
| One North Broadway | |
| Mail Sta. 70 | |
| Gary, IN 46402 | |

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P.O. Box 6015

Indianapolis, Indiana 46206-6015

| 1 N 0 | PERMIT NUMBE | R 2 0 | ' | OUTFA | ILL NO. | M | O. Y | R. | |
|----------------------------|-------------------------------|-------------------|---|------------|---------|---|------|--------------|---|
| EFFLUENT CHARA | CTERISTICS | I | | Temn | erature | T | | T | |
| EFFLUENT PARAMI | ETER NI IMBER | | | C00011 | ***** | | | | 1 |
| | Permit Condition | | | Continuous | ***** | | | | |
| SAMPLE TYPE | Monitored | | | Continuous | ***** | | | | |
| | Permit Condition | | | 1X hour | ***** | | | | |
| FREQUENCY | Monitored | | | 1X hour | ***** | | | | |
| | Permit Minimum | | | ***** | ***** | | | | |
| EFFLUENT | | | | NA | ***** | | | | |
| LIMITATIONS | Permit Average Permit Maximum | | | 73 | ***** | | | | |
| | | | | °F | | | | | |
| | UNITS = | | | | | | | | |
| | 1 | | | 57 | | | | | |
| | 2 | | | 57 | | | | | |
| | 3 | | | 57 | | | | | |
| | 4 | | | 59 | | | | | |
| | 5 | | | 57 | | | | | |
| | 6 | | | 58 | | | | | |
| | 7 | | | 59 | | | | | |
| | 8 | | | 59 | | | | | |
| | 9 | | | 60 | | | | | |
| | 10 | | | 61 | | | | | |
| | 11 | | | 60 | | | | | |
| | 12 | | | 60 | | | | | |
| | 13 | | | 61 | | | | | |
| | 14 | | | 61 | | | | | |
| | 15 | | | 61 | | | | | |
| | 16 | | | 61 | | | | | |
| | 17 | | | 62 | | | | | |
| | 18 | | | 63 | | | | | |
| | 19 | | | 63 | | | | | |
| | 20 | | | 63 | | | | | |
| | 21 | | | 65 | | | | | |
| | 22 | | | 67 | | | | | |
| | 23 | | | 67 | | | | | |
| | 24 | | | 66 | | | | | |
| | 25 | | | 67 | | | | | |
| | 26 | | | 66 | | | | | |
| | 27 | | | 64 | | | | | |
| | 28 | | | 64 | | | | | |
| | 29 | | | 66 | | | | | |
| | 30 | | | 65 | | | | | |
| | 30 | | | 0.0 | | | | | |
| MONTHLY AVERAG | F | | | | | | | | |
| HIGHEST VALUE | , L | | | 67 | | | | | |
| LOWEST VALUE | | | | 07 | | | | | |
| NO. OF TIMES WEE | KI V OB DVII V | | | | | | | | |
| EFFL. LIMITATIONS | | | | 0 | | | | | |
| I certify under penalty of | f law that this document an | d all attachments | | | | | | | |

| r certify under penalty or law that this document and all attachments |
|--|
| were prepared under my direction or supervision in accordance with |
| a system designed to assure that qualified personnel properly gather |
| and evaluate the information submitted. Based on my inquiry of the |
| persons who manage the system, or those persons directly |
| responsible for gathering the information, the information submitted is, |
| to the best of my knowledge and belief, true, accurate, and complete. |
| I am aware that there are significant penalties for submitting false |
| information, including the possibility of fine and imprisonment for |
| knowing violations. |

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| PHONE NUMBER | CERTIFICATION NO. |

Joseph E. Hanning 5/21/2017

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) DATE

Joseph E. Hanning, Manager Environmental Control Page 7 of 84



Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS Revision Pending Approval - September 2003

| | 0 |
|----------------------------|---|
| FACILITY NAME AND ADDRESS: | |
| | |
| U.S. Steel Corporation | |
| One North Broadway | |
| Mail Sta. 70 | |
| Gary, IN 46402 | |
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P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | | _ | | | T | |
|-------------------|------------------|------------|-------|--|--|---|
| FFLUENT CHARA | | Tempe | | | | |
| FFLUENT PARAM | | C00011 | ***** | | | |
| SAMPLE TYPE | Permit Condition | Continuous | ***** | | | |
| | Monitored | Continuous | ***** | | | ļ |
| FREQUENCY | Permit Condition | 1X hour | ***** | | | |
| | Monitored | 1X hour | ***** | | | |
| EFFLUENT | Permit Minimum | ***** | ***** | | | |
| LIMITATIONS | Permit Average | NA | ***** | | | |
| | Permit Maximum | 73 | ***** | | | |
| | UNITS = | °F | | | | |
| | 1 | 58 | | | | |
| | 2 | 57 | | | | |
| | 3 | 57 | | | | |
| | 4 | 58 | | | | |
| | 5 | 57 | | | | |
| | 6 | 57 | | | | |
| | 7 | 59 | | | | |
| | 8 | 60 | | | | |
| | 9 | 62 | | | | |
| | 10 | 62 | | | | |
| | 11 | 62 | | | | |
| | 12 | 61 | | | | |
| | 13 | 61 | | | | |
| | 14 | 62 | | | | |
| | 15 | 63 | | | | |
| | 16 | 64 | | | | |
| | 17 | 64 | | | | 1 |
| | 18 | 64 | | | | 1 |
| | 19 | 64 | | | | 1 |
| | 20 | 66 | | | | |
| | 21 | 64 | | | | |
| | 22 | 66 | | | | İ |
| | 23 | 67 | | | | İ |
| | 24 | 68 | | | | |
| | 25 | 68 | | | | |
| | 26 | 68 | | | | † |
| | 27 | 66 | | | | 1 |
| | 28 | 65 | | | | † |
| | 29 | 65 | | | | 1 |
| | 30 | 64 | | | | † |
| | 30 | 04 | | | | † |
| ONTHLY AVERAC | 3F | | | | | |
| IGHEST VALUE | - | 68 | | | | |
| OWEST VALUE | | 00 | | | | |
| O. OF TIMES WE | KLY OR DAILY | | | | | |
| FFL. LIMITATIONS | | 0 | | | 1 | |
| TEL. LIIVITATIONS | PEVCEENEN | U | | | | |

| reentily drider perialty or law that this document and all attachments |
|--|
| were prepared under my direction or supervision in accordance with |
| a system designed to assure that qualified personnel properly gather |
| and evaluate the information submitted. Based on my inquiry of the |
| persons who manage the system, or those persons directly |
| responsible for gathering the information, the information submitted is, |
| to the best of my knowledge and belief, true, accurate, and complete. |
| I am aware that there are significant penalties for submitting false |
| information, including the possibility of fine and imprisonment for |
| knowing violations. |

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

5/21/2017 Joseph E. Hanning DATE (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

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Indiana Dept. of Environmental Management Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| I N 0 | 0 0 0 | 2 8 | 1 | 0 | 0 | 5 | 0 | 4 | 1 | 7 | |
|------------------|------------------|--------|--------|---------|----------|-------|---------|-----------------|-------|---------|--------|
| | PERMIT NUMBE | R | | OUTFA | LL NO | | MC |). | YR | | |
| EFFLUENT CHARAC | CTERISTICS | FLOW | рН | Oil & 0 | k Grease | | Seleniu | Selenium, Total | | Benzene | |
| EFFLUENT PARAME | ETER NUMBER | Q50050 | C00400 | | CO | 0552 | Q00981 | C | 00981 | Q34030 | C34030 |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab | | Gra | b-3 | Comp | C | Comp | Grab-3 | Grab-3 |
| SAMPLE TIPL | Monitored | RCOTOT | Grab | | Gra | b-3 | Comp | C | Comp | Grab-3 | Grab-3 |
| FREQUENCY | Permit Condition | Daily | 3/7 | | | 2/7 | 1/7 | | 1/7 | 3 /30 | 3 /30 |
| TREQUENCT | Monitored | Daily | 3/7 | | | 2/7 | 1/7 | | 1/7 | 3 /30 | 3 /30 |
| EFFLUENT | Permit Minimum | **** | 6.0 | | *** | | ***** | *** | **** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | ***** | | R | eport | 2.1 | | 4.1 | Report | Report |
| LIMITATIONS | Permit Maximum | Report | 9.0 | | | eport | 4.1 | | 8.2 | Report | Report |
| | UNITS = | MGD | S.U. | | N | 1G/L | LB/DAY | Į | JG/L | LB/DAY | UG/L |
| | 1 | 11.1 | | | | | | | | | |
| | 2 | 11.1 | | | | | | | | | |
| | 3 | 11.1 | 7.6 | | < | 1.3 | < 0.08 | ٧ | 0.91 | 1.79 | 19 |
| | 4 | 11.1 | | | | | | | | | |
| | 5 | 11.1 | 7.9 | | < | 1.3 | | | | | |
| | 6 | 11.1 | | | | | | | | | |
| | 7 | 11.1 | 6.9 | | | | | | | | |
| | 8 | 11.1 | | | | | | | | | |
| | 9 | 11.1 | | | | | | | | | |
| | 10 | 11.1 | 7.6 | | < | 1.3 | < 0.08 | ٧ | 0.91 | 2.10 | 23 |
| | 11 | 11.1 | | | | | | | | | |
| | 12 | 11.1 | 7.5 | | | 1.6 | | | | | |
| | 13 | 11.1 | | | | | | | | | |
| | 14 | 11.1 | 7.1 | | | | | | | | |
| | 15 | 11.1 | | | | | | | | | |
| | 16 | 11.1 | | | | | | | | | |
| | 17 | 11.1 | 7 | | < | 1.4 | < 0.08 | < | 0.91 | 1.54 | 17 |
| | 18 | 11.1 | | | | | | | | | |
| | 19 | 11.1 | 7.2 | | < | 1.3 | | | | | |
| | 20 | 11.1 | | | | | | | | | |
| | 21 | 11.1 | 7.1 | | | | | | | | |
| | 22 | 11.1 | | | | | | | | | |
| _ | 23 | 11.1 | | | | | | | | | |
| | 24 | 11.1 | 7.7 | | < | 1.3 | 0.09 | | 0.97 | | |
| | 25 | 11.1 | | | | | | | | | |
| | 26 | 11.1 | 7.7 | | < | 1.3 | | | | | |
| | 27 | 11.1 | | | | | | | | | |
| | 28 | 11.1 | 6.6 | | | | | | | | |
| | 29 | 11.1 | | | | | | | | | |
| | 30 | 11.1 | | | | | | | | | |
| | | | | | | | | | | | |
| MONTHLY AVERAG | Ε | 11.1 | | | < | 1.3 | < 0.09 | < | 0.93 | 1.81 | 20 |
| HIGHEST VALUE | | 11.1 | 7.9 | | | 1.6 | 0.09 | | 0.97 | 2.10 | 23 |
| LOWEST VALUE | | 11.1 | 6.6 | | < | 1.3 | < 0.08 | < | 0.91 | 1.54 | 17 |
| NO. OF TIMES WEE | KLY OR DAILY | | | | | | | | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

333.000

EFFL. LIMITATIONS EXCEEDED

TOTAL FLOW

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |
| (0.01.1 | |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

Page 9 of 84



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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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Indianapolis, Indiana 46206-6015

| | PERMIT NUMBE | R | | OUTFA | LL NO. | MC |). YR | | |
|-------------------|------------------|--------------|----------|--------------|--------|---------|----------|------------|------------|
| EFFLUENT CHARAC | CTERISTICS | Benzo-a-pyre | ene | Nitrogen, Am | | Cyani | de, Free | Mercury | , Total |
| EFFLUENT PARAME | ETER NUMBER | Q34247 | C34247 | Q00610 | C00610 | Q00718 | C00718 | Q71901 | C71901 |
| SAMPLE TYPE | Permit Condition | Comp | Comp | Comp | Comp | Grab-3 | Grab-3 | Grab | Grab |
| O/WII EE TTT E | Monitored | Comp | Comp | Comp | Comp | Comp | Comp | Grab | Grab |
| FREQUENCY | Permit Condition | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | Bi-monthly | Bi-monthly |
| TINEQUEINCT | Monitored | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 1/30 | 1/30 |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| | Permit Average | 0.047 | 0.093 | Report | Report | 3.8 | 7.6 | ***** | 2.4 |
| LIMITATIONS | Permit Maximum | 0.12 | 0.23 | Report | Report | 9.1 | 18 | ***** | ***** |
| UNITS | 3 | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | NG/L |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | | < 0.002 | < 0.026 | 12.5 | 135 | < 0.093 | < 1.0 | | |
| | 4 | | 0.020 | 12.0 | 100 | 0.000 | 1.0 | 0.00009 | 1.0 |
| - | | < 0.002 | < 0.023 | 13.0 | 140 | 0.130 | 1.4 | 0.00009 | 1.0 |
| | 6 | | 0.023 | 13.0 | 140 | 0.130 | 1.4 | | |
| | 7 | | | | | | | | |
| | | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | < 0.026 | 16.0 | 173 | 0.093 | 1.0 | | |
| | 11 | | | | | | | | |
| | 12 | | < 0.023 | 10.2 | 110 | < 0.093 | < 1.0 | | |
| | 13 | | | | | | | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | | < 0.023 | 12.0 | 130 | 0.241 | 2.6 | | |
| | 18 | | | | | | | | |
| | 19 | | < 0.026 | 12.5 | 135 | < 0.093 | < 1.0 | | |
| | 20 | | 0.020 | 12.0 | 100 | 0.000 | 1.0 | | |
| | 21 | | | | | | | | |
| | 22 | | | | | | | | |
| | 23 | | | | | | | | |
| | | | 0.000 | 40.0 | 444 | 0.444 | 4.0 | | |
| | 24 | | < 0.023 | 10.6 | 114 | 0.111 | 1.2 | | |
| | 25 | | | | | | | | |
| | 26 | | < 0.023 | 9.8 | 106 | < 0.093 | < 1.0 | | |
| | 27 | | | | | | | | |
| | 28 | | | | | | | | |
| | 29 | | | | | | | | |
| | 30 | | | | | | | | |
| MONTHLY AVERAG | E | < 0.002 | < 0.024 | 12.1 | 130 | < 0.118 | < 1.3 | 0.00009 | 1.0 |
| HIGHEST VALUE | | < 0.002 | < 0.026 | 16.0 | 173 | 0.241 | 2.6 | 0.00009 | 1.0 |
| LOWEST VALUE | | < 0.002 | < 0.023 | 9.8 | 106 | < 0.093 | < 1.0 | 0.00009 | 1.0 |
| NO. OF TIMES WEE | KLY OR DAILY | | | | | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | <u> </u> | <u> </u> | J | | | J | 5 | J |

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

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Joseph E. Hanning, Manager Environmental Control

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Indianapolis, Indiana 46206-6015

| | PERMIT NUMBE | | | OUTFA | | _ |). YR | | |
|------------------|--------------------|----------------|----------------|--------------|------------|------------------|----------|------------------|--------|
| EFFLUENT CHARAC | | Chlorine, | Total Residual | Fluoride | | | oride | Sulfate | |
| FFLUENT PARAME | ETER NUMBER | Q50060 | C50060 | Q00951 | C00951 | Q00940 | C00940 | Q00945 | C00945 |
| SAMPLE TYPE | Permit Condition | Grab | Grab | Comp | Comp | Comp | Comp | Comp | Comp |
| O/ WIN EE TITE | Monitored | Grab | Grab | Comp | Comp | Comp | Comp | Comp | Comp |
| FREQUENCY | Permit Condition | Daily | Daily | 2 /30 | 2 /30 | 2 /30 | 2 /30 | 2 /30 | 2 /30 |
| THEGOLINOT | Monitored | Daily | Daily | 2 /30 | 2 /30 | 2 /30 | 2 /30 | 2 /30 | 2 /30 |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | 4.0 | 8 | Report | Report | Report | Report | Report | Report |
| LIMITATIONS | Permit Maximum | 30.2 | 60 | Report | Report | Report | Report | Report | Report |
| UNITS | 6 | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | MG/L | LB/DAY | MG/L |
| | 1 | < 1.85 | < 20 | | | | | | |
| | 2 | < 1.85 | < 20 | | | | | | |
| | 3 | < 1.85 | < 20 | 15.7 | 170 | 1945.2 | 21 | 2871.5 | |
| | 4 | < 1.85 | < 20 | | | | | | |
| | 5 | < 1.85 | < 20 | | | | | | |
| | | < 1.85 | | | | | | | |
| | 7 | < 1.85 | < 20 | | | | | | |
| | 8 | < 1.85 | | | | | | | |
| | 9 | < 1.85 | < 20 | | | | | | |
| | 10 | | | 18.5 | 200 | 1945.2 | 21 | 2871.5 | |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
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| | 27 | | | | | | | | |
| | 28 | | | | | | | | |
| | 28 | | | | | | | | |
| | | | | | | | | | |
| | 30 | < 1.85 | < 20 | | | | | | |
| | ·F | 0.00 | 0.0 | 47.4 | 405 | 4045.0 | 04 | 0074.5 | |
| MONTHLY AVERAG | E | 0.00 < 1.85 | < 20 | 17.1 18.5 | 185 200 | 1945.2 1945.2 | 21 21 | 2871.5 2871.5 | |
| HIGHEST VALUE | | | | | | | | | |
| OWEST VALUE | 1(1) (OD DAII) (| < 1.85 | < 20 | 15.7 | 170 | 1945.2 | 21 | 2871.5 | |
| IO. OF TIMES WEE | KLY OR DAILY | | | | | | | | |

Highlighted Monthly Averages are LOQ based calculations. I certify under penalty of law that this document and all attachments

EFFL. LIMITATIONS EXCEEDED

knowing violations.

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

| Mark Henry | 5/21/2017 | | | | |
|--|-------------------|--|--|--|--|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE | | | | |
| Mark Henry | | | | | |
| 219.763.5869 | WW020376 | | | | |
| PHONE NUMBER | CERTIFICATION NO. | | | | |
| | | | | | |
| Joseph E. Hanning | 5/21/2017 | | | | |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE | | | | |
| | | | | | |

Joseph E. Hanning, Manager Environmental Control

Page 11 of 84



Revision Pending Approval - September 2003

| | | revision renaing reprovai | Ocptoini | 001 |
|----|--------------------------|---------------------------|----------|-----|
| FA | CILITY NAME AND ADDRESS: | | | |
| U | .S. Steel Corporation | | | |
| 0 | ne North Broadway | | | |
| М | ail Sta. 70 | | | |
| G | any IN 46402 | | | |

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THIS REPORT MUST BE POSTMARKED NO LATER THAN THE
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| I N 0 | 0 0 0 | 2 8 | 1 | 0 0 | 5 | 0 | 4 1 | 7 | |
|------------------------------|-------------------------------|-----------------|-------------|-------------------------|---------------------|---------------|-------------------|---|-------------|
| | PERMIT NUMBE | R | <u> </u> | OUTFALL N | 0. | MO | . YR | | |
| EFFLUENT CHARA | CTERISTICS | Tempera | ture, Final | | | | | | |
| EFFLUENT PARAM | | ***** | C00011 | | | | | | |
| | Permit Condition | ***** | Grab-6 | | | | | | |
| SAMPLE TYPE | Monitored | ***** | Continuous | | | | | | |
| EDEOUENOV. | Permit Condition | ***** | 2/7 | | | | | | |
| FREQUENCY | Monitored | ***** | Daily | | | | | | |
| FFFLLENT | Permit Minimum | ***** | ***** | | | | | | |
| EFFLUENT LIMITATIONS | Permit Average | ***** | ***** | | | | | | |
| LIMITATIONS | Permit Maximum | ***** | Report | | | | | | |
| UNIT | S | | °F | | | | | | |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | | 48.0 | | | | <u> </u> | | |
| | 4 | | | | | | | - | |
| | 5 | | 49.0 | | | | | | |
| | 6 | | | | | | | | |
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| | 9 | | | | | | | | |
| | 10 | | 50.0 | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | 51.0 | | | | | | |
| 13 | | | | | | | | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | 54.0 | | | | | | |
| | 17 | | 54.0 | | | | | | |
| | 18 | | 55.0 | | | | | | |
| | 19 20 | | 55.0 | | | | | | |
| | | | | | | | | | |
| | 21 22 | | | | | | | | |
| | 22 | | | | | | | | |
| | 23 | | 56.0 | | | | | | |
| | 25 | | 30.0 | | | | | | |
| | 26 | | 53.0 | | | | | | |
| | 27 | | 00.0 | | | | | | |
| | 28 | | | | | | | | |
| | 29 | | | | | | | | |
| 30 | | | | | | | | | |
| | 00 | | | | | | | | |
| MONTHLY AVERAGE | GE | | 52.0 | | | | | | |
| HIGHEST VALUE | | | 56.0 | | | | | | |
| LOWEST VALUE | | | 48.0 | | | | | | |
| NO. OF TIMES WEEKLY OR DAILY | | | | | | | | | |
| EFFL. LIMITATIONS | | | 0 | | | | | | |
| | | | Highlig | hted daily values are « | <loq &="">= L</loq> | OD, and are r | not quantifiable. | | |
| I certify under penalty of | of law that this document and | all attachments | | | | | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |
| | |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

DATE Page 12 of 84 I certify under penalty of law that, to the best of my knowledge and belief, and having consulted with the manager of coke plant operations and coke plant personnel responsible for managing and disposing of cokemaking and by-product recovery wastewater, that process wastewaters generated from cokemaking and by-product recovery operations have not been discharged to the Grand Calumet River or to Lake Michigan through any outfall or conveyance since the last discharge monitoring report, except for the treated coke plant by-product recovery wastewater in Internal Outfall 501.



EFFLUENT CHARACTERISTICS

Indiana Discharge Monitoring Report Form 30530

1

рH

Revision Pending Approval - September 2003

0

OUTFALL NO.

TSS

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

PERMIT NUMBER

0

FLOW

1.75

1.69

1.76 1.80

1.73

1.84

1.68

51.83

7.8

6.8

28

29

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Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

Nitrogen, Ammonia Total

P.O. Box 6015

Indianapolis, Indiana 46206-6015

Oil & Grease

| EFFLUENT CHARACTERISTICS | | FLOW PH 155 | | Oli d | a Grease | Nitrogen, Ammonia rotai | | | |
|--------------------------|------------------|-------------|--------|--------|----------|-------------------------|--------|--------|--------|
| EFFLUENT PARAM | ETER NUMBER | Q50050 | C00400 | Q00530 | C00530 | ***** | C00552 | Q00610 | C00610 |
| CAMPLE TYPE | Permit Condition | RCOTOT | Grab | Comp | Comp | ***** | Grab | Comp | Comp |
| SAMPLE TYPE | Monitored | RCOTOT | Grab | Comp | Comp | ***** | Grab | Comp | Comp |
| EDEOUENOV | Permit Condition | Daily | 1/7 | 1/7 | 1/7 | ***** | 1/7 | 1/7 | 1/7 |
| FREQUENCY | Monitored | Daily | 1/7 | 1/7 | 1/7 | ***** | 1/7 | 1/7 | 1/7 |
| FFFLUENT | Permit Minimum | **** | 6.0 | ***** | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT LIMITATIONS | Permit Average | Report | ***** | Report | Report | ***** | Report | Report | Report |
| LIMITATIONS | Permit Maximum | Report | 9.0 | Report | Report | ***** | Report | Report | Report |
| | UNITS = | MGD | S.U. | LB/DAY | MG/L | | MG/L | LB/DAY | MG/L |
| | 1 | 1.74 | | | | | | | |
| | 2 | 1.72 | | | | | | | |
| | 3 | 1.75 | 7.2 | 37.9 | 2.6 | | < 1.3 | 12.43 | 0.8 |
| | 4 | 1.71 | | | | | | | |
| | 5 | 1.77 | | | | | | | |
| | 6 | 1.76 | | | | | | | |
| | 7 | 1.70 | | | | | | | |
| | 8 | 1.71 | | | | | | | |
| | 9 | 1.72 | | | | | | | |
| | 10 | 1.84 | 6.8 | 76.7 | 5.0 | | 2.2 | 14.88 | 0.9 |
| | 11 | 1.71 | | | | | | | |
| | 12 | 1.71 | | | | | | | |
| | 13 | 1.71 | | | | | | | |
| | 14 | 1.72 | | | | | | | |
| | 15 | 1.71 | | | | | | | |
| | 16 | 1.69 | | | | | | | |
| | 17 | 1.69 | 7.8 | 29.6 | 2.1 | | < 1.3 | 9.30 | 0.6 |
| | 18 | 1.70 | | | | | | | |
| | 19 | 1.72 | | | | | | | |
| | 20 | 1.68 | | | | | | | |
| | 21 | 1.68 | | 1 | | | | | |
| | 22 | 1.74 | | | | | | | |
| | 23 | 1.74 | | | | | | | |
| | 24 | 1.74 | 7.0 | 37.8 | 2.6 | | < 1.3 | 17.43 | 1.2 |
| | 25 | 1.73 | | | | | | | |
| | 26 | 1.74 | | | | | | | |
| | | | | 1 | | | | 1 | |

45.5

76.7

29.6

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MONTHLY AVERAGE

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

HIGHEST VALUE

LOWEST VALUE

TOTAL FLOW

| | Mark Henry | 5/21/2017 |
|---|-----------------------------------|-------------------|
| | (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| | Mark Henry | |
| | 219.763.5869 | WW020376 |
| _ | PHONE NUMBER | CERTIFICATION NO. |
| | | |
| | Joseph E. Hanning | 5/21/2017 |

1.5

2.2

1.3

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

3.1

5.0

2.1

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

Page 13 of 84

DATE

13.51

17.43

9.30

0

0.92

1.2

0.66



0

0

Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

0

5

| | Revision Pending Approval - | September 2 |
|----------------------------|-----------------------------|-------------|
| FACILITY NAME AND ADDRESS: | | Р |

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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2

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Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| 1 1 1 0 | PERMIT NUMBER | 1210 | | OUTF | ALL NO. | MO | . YR. | | |
|--|-----------------|---------|-----------|---------|----------|--------|---------|--------|--------|
| EFFLUENT CHARACTERISTICS EFFLUENT PARAMETER NUMBER | | Phenoli | cs, Total | | de, Free | | , Total | Zinc, | |
| | | Q00680 | C00680 | Q00718 | C00718 | Q01051 | C01051 | Q01094 | C01094 |
| SAMPLE TYPE | ermit Condition | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp | Comp | Comp |
| I. | 1onitored | Comp | Comp | Comp | Comp | Comp | Comp | Comp | Comp |
| FREQUENCY Per | ermit Condition | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 |
| N | Monitored (| 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 |
| EFFLUENT P | ermit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | ermit Average | Report | Report | Report | Report | Report | Report | Report | Report |
| F | ermit Maximum | Report | Report | Report | Report | Report | Report | Report | Report |
| UNITS | | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | UG/L |
| | 1 | | | | | | | | |
| | 3 | | 10 | < 0.015 | < 1.0 | 0.0044 | 0.30 | 0.160 | 1 |
| | 2 | | | | | | | | |
| | 5 | | | | | | | | |
| | 7 | | | | | | | | |
| | 3 | 3 | | | | | | | |
| | 10 | | 22 | . 0.015 | < 1.0 | 0.0097 | 0.63 | 0.215 | 1 |
| | 11 | | 33 | < 0.015 | < 1.0 | 0.0097 | 0.63 | 0.215 | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | 0.183 | 13 | < 0.014 | < 1.0 | 0.0025 | 0.18 | 0.155 | , |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| | 21 | | | | | | | | |
| | 22 | | | | | | | | |
| | 23 | | | | | | | | |
| | 24 | | 16 | < 0.015 | < 1.0 | 0.0036 | 0.25 | 0.160 | |
| | 25 | | | 3.0.0 | 1.0 | 0.000 | 0.20 | 0.100 | |
| | 26 | | | | | | | | |
| | 27 | | | | | | | | |
| | 28 | | | | | | | | |
| | 29 |) | | | | | | | |
| | 30 |) | | | | | | | |
| MONTHLY AVERAGE | | 0.267 | 18 | < 0.015 | < 1.0 | 0.0051 | 0.34 | 0.173 | |
| HIGHEST VALUE | | 0.267 | 33 | | | 0.0051 | 0.34 | 0.173 | |
| OWEST VALUE | | 0.146 | 10 | | | 0.0025 | 0.18 | 0.155 | 1 |
| NO. OF TIMES WEEKL | Y OR DAILY | | | | | | | | |
| EFFL. LIMITATIONS E | XCEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

Joseph E. Hanning (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

DATE

Page 14 of 84



| F | Revision Pending Approval - | September 2 |
|----------------------------|-----------------------------|-------------|
| FACILITY NAME AND ADDRESS: | | PL |

1

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | | | OUTF | ALL NO. | MC | D. YR. | | | |
|--|------------------|------------|------------|---------------|-------------|--------------------|------------|-----------------|--------|
| EFFLUENT CHARACTERISTICS | | Mercu | ıry, Total | Chlorine, Tot | al Residual | Temperature, Final | | BOD, Carbonaceo | |
| EFFLUENT PARAM | ETER NUMBER | Q71901 | C71901 | Q50060 | C50060 | Q00011 | C00011 | Q80082 | C80082 |
| SAMDLE TYPE | Permit Condition | Grab | Grab | Grab | Grab | ***** | Grab | Comp | Comp |
| SAMPLE TYPE FREQUENCY | Monitored | Grab | Grab | Grab | Grab | ***** | Continuous | Comp | Comp |
| EDECLIENCY | Permit Condition | Bi-Monthly | Bi-Monthly | Daily | Daily | ***** | 1/7 | 1/7 | 1/7 |
| FREQUENCY | Monitored | 1/30 | 1/30 | Daily | Daily | ***** | Continuous | 1/7 | 1/7 |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | Report | 0.11 | 8 | ***** | ***** | Report | Report |
| LIMITATIONS | Permit Maximum | Report | Report | 0.85 | 60 | ***** | Report | Report | Report |
| UNIT | 3 | LB/DAY | NG/L | LB/DAY | UG/L | | °F | LB/DAY | MG/L |
| | 1 | | | < 0.29 | | | 52.6 | | |
| | 2 | 2 | | < 0.29 | < 20 | | 55.0 | | |
| | 3 | 3 | | < 0.29 | < 20 | | 52.9 | 0.105 | 7.2 |
| | 4 | | 0.81 | | | | 52.3 | | |
| | 5 | | | < 0.30 | | | 52.0 | | |
| | (| | | < 0.29 | | | 53.4 | | |
| | 7 | 7 | | < 0.28 | | | 54.3 | | |
| | 3 | 3 | | < 0.29 | | | 54.6 | | |
| | 9 | 9 | | < 0.29 | | | 55.9 | | |
| | 10 |) | | < 0.31 | < 20 | | 57.2 | 0.1841 | 12 |
| | 11 | 1 | | < 0.29 | < 20 | | 56.9 | | |
| | 12 | 2 | | < 0.29 | < 20 | | 54.1 | | |
| | 13 | 3 | | < 0.29 | | | 54.4 | | |
| | 14 | | | < 0.29 | | | 57.6 | | |
| | 15 | 5 | | < 0.29 | < 20 | | 56.3 | | |
| | 16 | 6 | | < 0.28 | | | 57.9 | | |
| | 17 | 7 | | < 0.28 | < 20 | | 58.7 | 0.0761 | 5.4 |
| | 18 | 3 | | < 0.28 | < 20 | | 58.3 | | |
| | 19 | Ð | | < 0.29 | < 20 | | 57.3 | | |
| | 20 |) | | < 0.28 | < 20 | | 57.5 | | |
| | 21 | | | < 0.28 | | | 60.3 | | |
| | 22 | | | < 0.29 | | | 62.7 | | |
| | 23 | | | < 0.29 | | | 63.0 | | |
| | 24 | 1 | | < 0.29 | | | 59.9 | 0.1598 | 1 |
| | 25 | 5 | | < 0.29 | | | 60.8 | | |
| | 26 | | | < 0.29 | | | 57.2 | | |
| | 27 | | | < 0.29 | | | 58.0 | | |
| | 28 | | | < 0.28 | | | 59.1 | | |
| | 29 | | | < 0.29 | | | 59.9 | | |
| | 30 |) | | < 0.30 | < 20 | | 60.9 | | |
| | | | | | | | | | |
| MONTHLY AVERAG | BE | 0.00001 | 0.81 | 0.00 | 0.00 | | 57.0 | 0.131 | 8.9 |
| HIGHEST VALUE | | 0.00001 | 0.81 | | | | 63.0 | 0.184 | 1: |
| LOWEST VALUE | | 0.00001 | 0.81 | < 0.28 | < 20 | | 52.0 | 0.076 | 5.4 |
| NO. OF TIMES WEE EFFL. LIMITATIONS Highlighted Monthly | EXCEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |

Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

5/21/2017

Page 15 of 84



Ν

Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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| | | | | |

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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| 28TH OF THE FOLLOWING MONTH. |

Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

Office of Water Quality / Data Management Section

P.O. Box 6015

0

Indianapolis, Indiana 46206-6015

| | PERMIT NUMBER | | | OUTFA | LL NO. | MO. YI | ₹. | |
|--|------------------|--------|--------------|---------------------|---------------------------|---------------------------|-------------|--------------|
| EFFLUENT CHARAC | TERISTICS | FLOW | pН | Cyanid | e, Free | Oil & Grease | Nitrogen, A | nmonia Total |
| EFFLUENT PARAME | TER NUMBER | Q50050 | C00400 | Q00718 | C00718 | C00552 | Q00610 | C00610 |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab | Grab-3 | Grab-3 | Grab | Comp | Comp |
| | Monitored | RCOTOT | Grab | Comp | Comp | Grab | Comp | Comp |
| EDEOLIENOV | Permit Condition | Daily | 1/7 | 1 /30 | 1 /30 | 1/7 | 2 /30 | 2 /30 |
| FREQUENCY | Monitored | Daily | 1/7 | 1 /30 | 1 /30 | 1/7 | 2 /30 | 2 /30 |
| EEEL LIENT | Permit Minimum | ***** | 6.0 | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT | Permit Average | Report | ***** | ***** | ***** | Report | Report | Report |
| LIMITATIONS | Permit Maximum | Report | 9.0 | Report | Report | Report | Report | Report |
| | UNITS = | MGD | S.U. | LB/DAY | MG/L | MG/L | LB/DAY | MG/L |
| | 1 | 48.4 | | | | | | |
| | 2 | | | | | | | |
| | 3 | | 7.4 | < 0.40 | < 0.0010 | < 1.3 | 28.1 | 0.070 |
| | 4 | | | | | 1.00 | | |
| | 5 | | 1 | | 1 | | | |
| | 6 | | † | | | | | |
| | 7 | | | | | | | |
| | 8 | | | | | | | |
| | 9 | | | | | | | |
| | 10 | | 7.4 | | | < 1.3 | 47.14 | 0.082 |
| | 11 | 69.8 | 7.4 | | | \ 1.5 | 77.17 | 0.002 |
| | 12 | | | | | | | |
| | 13 | | | | | | | |
| | 14 | | | | | | | |
| | 15 | | | | | | | |
| | 16 | | | | | | | |
| | 17 | | 8 | | | 2.7 | | |
| | 18 | | 0 | | | 2.1 | | |
| | 19 | | | | | | | |
| | 20 | | | | | | | |
| | 21 | 70.9 | | | | | | |
| | | | | | | | | |
| | 22 | | | | | | | |
| | 23 | | 7.0 | | | . 10 | | |
| | 24 | | 7.3 | | | < 1.3 | | |
| | 25 | | | | | | | |
| | 26 | | | | | | | |
| | 27 | 71.2 | 1 | | | | | |
| | 28 | | | | | | | |
| | 29 | | 1 | | | | | |
| | 30 | 67.8 | ļ | | | | | |
| MONITHUM AVED AGE | - | 04.0 | | 0.10 | 0.0040 | 1.0 | 07.00 | 0.670 |
| MONTHLY AVERAGE | | 64.3 | | < 0.40 | < 0.0010 | < 1.6 | 37.62 | 0.076 |
| HIGHEST VALUE | | 71.3 | 8 | < 0.40 | < 0.0010 | 2.7 | 47.14 | 0.082 |
| LOWEST VALUE | (1)(00.0411)(| 47.7 | 7.3 | < 0.40 | < 0.0010 | < 1.3 | 28.1 | 0.070 |
| NO. OF TIMES WEER EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL FLOW | | 1929.3 | Highligh | nted daily values a | re <loq &="">= LOD,</loq> | and are not quantifiable. | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

DATE

Page 16 of 84



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Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

0

OUTFALL NO.

| FACILITY NAME AND ADDRESS: |
|----------------------------|
|----------------------------|

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

PERMIT NUMBER

0

0

2

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PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To:

8

Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

4

0

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARACTERISTICS | | Mercury | , Total | Chlorine, Total Resid | | sidual Phenolics | | Temper | ature, Final |
|--------------------------|------------------|------------|------------|-----------------------|--------|------------------|--------|--------|--------------|
| EFFLUENT PARAM | | Q71901 | C71901 | Q50060 | C50060 | Q00680 | C00680 | ***** | C00011 |
| SAMPLE TYPE | Permit Condition | Grab | Grab | Grab | Grab | Comp | Comp | ***** | Grab-6 |
| | Monitored | Grab | Grab | | | Comp | Comp | ***** | Continuous |
| FREQUENCY | Permit Condition | Bi-monthly | Bi-monthly | Daily | Daily | 1 /30 | 1 /30 | ***** | 2/7 |
| | Monitored | 1/30 | 1/30 | | | 1 /30 | 1 /30 | ***** | Continuous |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | Report | 3.9 | 8 | Report | Report | ***** | ***** |
| LIMITATIONS | Permit Maximum | Report | Report | 29.1 | 60 | Report | Report | ***** | Report |
| UNIT | S | LB/DAY | NG/L | LB/DAY | UG/L | LB/DAY | MG/L | | °F |
| | 1 | | | | | | | | 53 |
| | 2 | | | | | | | | 53 |
| | 3 | | | | | 1.45 | 0.0036 | | 54 |
| | 4 | | | | | | | | 53 |
| | 5 | | | | | | | | 53 |
| | 6 | 0.0004 | 0.88 | | | | | | 53 |
| | 7 | | | | | | | | 55 |
| | 8 | | | | | | | | 55 |
| | 9 | | | | | | | | 55 |
| | 10 | | | | | | | | 56 |
| | 11 | | | | | | | | 56 |
| | 12 | | | | | | | | 55 |
| | 13 | | | | | | | | 56 |
| | 14 | | | | | | | | 57 |
| | 15 | | | | | | | | 56 |
| | 16 | | | | | | | | 58 |
| | 17 | | | | | | | | 58 |
| | 18 | | | | | | | | 59 |
| | 19 | | | | | | | | 58 |
| | 20 | | | | | | | | 58 |
| | 21 | | | | | | | | 60 |
| | 22 | | | | | | | | 6′ |
| | 23 | | | | | | | | 62 |
| | 24 | | | | | | | | 62 |
| | 25 | | | | | | | | 62 |
| | 26 | | | | | | | | 6′ |
| | 27 | | | | | | | | 59 |
| | 28 | | | | | | | | 59 |
| | 29 | | | | | | | | 62 |
| | 30 | | | | | | | | 61 |
| | | | | | | | | | |
| MONTHLY AVERAC | GE | 0.0004 | 0.88 | NA | NA | 1.45 | 0.0036 | | 57 |
| HIGHEST VALUE | | 0.0004 | 0.88 | NA | NA | 1.45 | 0.0036 | | 62 |
| OW/EST VALUE | | 0.0004 | 0.00 | NIA | NIA | 1 15 | 0.0026 | | |

Highlighted Monthly Averages are LOQ based calculations.

0.0004

0.88

NΑ

LOWEST VALUE

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

NA

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

1.45

0.0036

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

DATE

5/21/2017

53.3

0

Page 17 of 84

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| | Revision Pending Approval - September 2 |
|----------------------------|---|
| FACILITY NAME AND ADDRESS: | |

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

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Indiana Dept. of Environmental Management Mail To:

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | PERMIT NUMBER | | · | OUTFA | LL NO. | MO. YR. | | | | | |
|-------------------|-----------------------------|----------|---------|-------------------|---------------------------|--------------|-----------------|--------------|--------------|--|--|
| EFFLUENT CHARA | CTERISTICS | FLOW | рН | Cyanid | e, Free | Oil & G | rease | Nitrogen, An | nmonia Total | | |
| EFFLUENT PARAM | ETER NUMBER | Q50050 | C00400 | Q00718 | C00718 | | C00552 | Q00610 | C00610 | | |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab | Grab-3 | Grab-3 | | Grab | Comp | Comp | | |
| SAMI LE TITE | Monitored | RCOTOT | Grab | Comp | Comp | | Grab | Comp | Comp | | |
| FREQUENCY | Permit Condition | Daily | 1/7 | 2 /30 | 2 /30 | | 1/7 | 2 /30 | 2 /30 | | |
| TREQUENCT | Monitored | Daily | 1/7 | 2 /30 | 2 /30 | | 1/7 | 2 /30 | 2 /30 | | |
| EFFLUENT | Permit Minimum | ***** | 6.0 | ***** | ***** | | ***** | ***** | ***** | | |
| LIMITATIONS | Permit Average | Report | ***** | Report | Report | | Report | Report | Report | | |
| LIMITATIONO | Permit Maximum | Report | 9.0 | Report | Report | | Report | Report | Report | | |
| | UNITS = | MGD | S.U. | LB/DAY | UG/L | | MG/L | LB/DAY | MG/L | | |
| | 1 | | | | | | | | | | |
| | 2 | 76.1 | | | | | | | | | |
| | 3 | 76.2 | 7.6 | 1.525 | 2.4 | | 1.3 | 35.27 | 0.056 | | |
| | 4 | 75.9 | | | | | | | | | |
| | 5 | 76.3 | | | | | | | | | |
| | 6 | | | | | | | | | | |
| | 7 | 76.0 | | | | | | | | | |
| | 8 | 75.2 | | | | | | | | | |
| | 9 | 75.5 | | | | | | | | | |
| | 10 | 75.4 | 7.0 | < 0.629 | < 1.0 | | < 1.3 | 48.42 | 0.077 | | |
| | 11 | 75.9 | | | | | | | | | |
| | 12 | 76.2 | | | | | | | | | |
| | 13 | 75.8 | | | | | | | | | |
| | 14 | 76.1 | | | | | | | | | |
| | 15 | 76.4 | | | | | | | | | |
| | 16 | 76.7 | | | | | | | | | |
| | 17 | 76.6 | 8.0 | | | | < 1.3 | | | | |
| | 18 | 76.7 | | | | | | | | | |
| | 19 | 76.3 | | | | | | | | | |
| | 20 | 75.9 | | | | | | | | | |
| | 21 | 76.1 | | | | | | | | | |
| | 22 | 76.1 | | | | | | | | | |
| | 23 | 75.8 | | | | | | | | | |
| | 24 | 75.7 | 7.0 | | | | < 1.3 | | | | |
| | 25 | 75.3 | | | | | | | | | |
| | 26 | 75.7 | | | | ĺ | | | | | |
| | 27 | 76.0 | | | 1 | ĺ | | | | | |
| | 28 | 75.4 | | | 1 | ĺ | | | | | |
| | 29 | 76.0 | | | 1 | ĺ | | | | | |
| | 30 | 75.5 | | | | | | | | | |
| MONTHLY AVERAGE | BE | 75.9 | | < 1.077 | < 1.7 | | < 1.3 | 41.85 | 0.066 | | |
| HIGHEST VALUE | | 76.7 | 8.0 | 1.525 | 2.4 | | 1.3 | 48.42 | 0.077 | | |
| LOWEST VALUE | | 75.2 | 7.0 | < 0.629 | < 1.0 | | < 1.3 | 35.27 | 0.056 | | |
| NO. OF TIMES WEE | KLY OR DAILY | | | | | | | | | | |
| EFFL. LIMITATIONS | SEXCEEDED | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| TOTAL FLOW | | 2278.367 | Highlig | hted daily value | s are <loq &="">= l</loq> | LOD, and are | not quantifiabl | le. | | | |
| | f law that this document ar | | Highlig | jnted daily value | s are <luq &="">= l</luq> | LOD, and are | not quantifiabl | ie. | | | |

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

Joseph E. Hanning (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

DATE

5/21/2017

Page 18 of 84



Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

| | - |
|----------------------------|---|
| FACILITY NAME AND ADDRESS: | |
| | |
| U.S. Steel Corporation | |
| One North Broadway | |
| Mail Sta. 70 | |
| Gary, IN 46402 | |

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| 1 1 | N | 0 | Ο | 0 | 0 | 2 | 8 | 1 | 0 | 1 | 9 | | 0 | 4 | 1 | 7 |
|---------------|---|---|---|---|-------|-------|----|---|---|----|----|----|---|---|---|---|
| | | • | ۰ | • | • | _ | , | _ | Ů | | · | | | | | |
| PERMIT NUMBER | | | | | OUTFA | LL NC |). | = | M | Ο. | YF | ۲. | | | | |

| EFFLUENT CHARAC | CTERISTICS | Mercury | | Chlorine, To | otal Residual | Pher | nolics | Temperature, Final | | |
|-----------------------|------------------|------------|------------|--------------|---------------|-------------|----------|--------------------|------------|--|
| EFFLUENT PARAME | TER NUMBER | Q71901 | C71901 | Q50060 | C50060 | Q00680 | C00680 | ***** | C00011 | |
| SAMPLE TYPE | Permit Condition | Grab | Grab | Grab | Grab | Comp | Comp | ***** | Grab-6 | |
| SAIVIPLE I TPE | Monitored | Grab | Grab | | | Comp | Comp | ***** | Continuous | |
| EDECLIENCY. | Permit Condition | Bi-monthly | Bi-monthly | Daily | Daily | 1 /30 | 1 /30 | ***** | 2/7 | |
| FREQUENCY | Monitored | 1/30 | 1/30 | - | | 1 /30 | 1 /30 | ***** | Continuous | |
| | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |
| EFFLUEINI | Permit Average | Report | Report | 3.3 | 8 | Report | Report | ***** | ***** | |
| LIMITATIONS | Permit Maximum | Report | Report | 24.7 | 60 | Report | Report | ***** | Report | |
| UNITS | | LB/DAY | NG/L | LB/DAY | UG/L | LB/DAY | MG/L | | °F | |
| | 1 | | | | | | | | 53.1 | |
| | 2 | | | | | | | | 51.8 | |
| | 3 | | | | | 2.288 | 0.0036 | | 52.0 | |
| | 4 | | | | | | | | 52.3 | |
| | 5 | | | | | | | | 52.7 | |
| | 6 | 0.0008 | 1.3 | | | | | | 52.8 | |
| | 7 | | | | | | | | 53.6 | |
| | 8 | | | | | | | | 53.7 | |
| | 9 | | | | | | | | 54.3 | |
| | 10 | | | <u> </u> | | | | | 55.3 | |
| | 11 | | | | | | | | 54.5 | |
| | 12 | | | | | | | | 54.4 | |
| | 13 | | | | | | | | 56.4 | |
| | 14 | | | | | | <u> </u> | | 55.6 | |
| | 15 | | | | | | | | 54.9 | |
| | 16 | | | | | | | | 54.5 | |
| | 17 | | | | | | | | 56.2 | |
| | 18 | | | | | | | | 55.8 | |
| | 19 | | | | | | | | 57.3 | |
| | 20 | | | | | | | | 57.9 | |
| | 21 | | | | | | | | 58.7 | |
| | 22 | | | | | | | | 60.5 | |
| | 23 | | | | | | | | 60.9 | |
| | 24 | | | | | | | | 60.7 | |
| | 25 | | | | | | | | 59.9 | |
| | 26 | | | | | | | | 57.8 | |
| | 27 | | | | | | - | | 56.8 | |
| | 28 | | | | | | | | 57.9 | |
| | 29 | | | | | | - | | 60.1 | |
| | 30 | | | | | | | | 59.2 | |
| MONTHLY AVERAGI | E | 0.0008 | 1.3 | NA | NA | 2.288 | 0.0036 | | 56.0 | |
| HIGHEST VALUE | | 0.0008 | 1.3 | NA NA | NA NA | 2.288 | 0.0036 | | 60.9 | |
| LOWEST VALUE | | 0.0008 | 1.3 | NA NA | NA NA | 2.288 | 0.0036 | | 51.8 | |
| NO. OF TIMES WEEL | KLY OR DAILY | 0.0000 | 1.0 | IVA | INA | 2.200 | 0.0030 | | 01.0 | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| Linklighted Monthly A | | _ | | | | I OD and ar | | | · · | |

Highlighted Monthly Averages are LOQ based calculations.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

Joseph E. Hanning 5/21/20

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) DATE

Joseph E. Hanning, Manager Environmental Control Page 19 of 84



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Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

2

0

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

FACILITY NAME AND ADDRESS:

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Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| I N U | PERMIT NUMBER | 2 0 | ' | OUTFAI | I NO | | 0. YR. | , | |
|-------------------------|-----------------------------|-----------------------|---------------------|---------|-------------|----------------|----------------|----------------|----------------|
| EEELLIENT CHARA | | | l nu l | | | | | | Total |
| EFFLUENT PARAM | | FLOW Q50050 | pH C00400 | Oil & G | C00552 | | d, Total | Q01094 | C01094 |
| EFFLUENT PARAMI | | RCOTOT | | | Grab | Q01051 | C01051 Comp | Comp | |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab Grab | | | Comp | | | Comp |
| | Monitored | | 1/7 | | Grab 1/7 | Comp 2 /30 | Comp | Comp 2 /30 | 2 /30 |
| FREQUENCY | Permit Condition Monitored | Daily | 1/7 | | 1/7 | 2 /30 2 /30 | 2 /30 2 /30 | 2 /30 2 /30 | 2 /30 |
| | | Daily ***** | | | 1// | 2 /30 ***** | 2 /3U ***** | 2 /30 ***** | 2 /3U ***** |
| EFFLUENT LIMITATIONS | Permit Minimum | | 6.0 | | | | | | |
| | Permit Average | Report | | | Report | Report | Report | Report | Report |
| | Permit Maximum | Report | 9.0 | | Report | Report | Report | Report | Report |
| | UNITS = | MGD | S.U. | | MG/L | LB/DAY | MG/L | LB/DAY | MG/L |
| | 1 | 65.0 | | | | | | | |
| | 2 | | | | | | 0.00000 | | |
| | 3 | | 7.6 | | < 1.3 | 0.11 | 0.00022 | 5.53 | 0.01 |
| | 4 | 61.2 | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | 59.2 | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | 64.3 | 7.5 | | < 1.3 | 0.19 | 0.00035 | 5.90 | 0.01 |
| | 11 | 60.9 | | | | | | | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | 64.6 | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | 63.7 | 8 | | 1.3 | | | | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| | 20 | 60.4 | | | | | | | |
| | 21 | 64.0 | | | | | | | |
| | 22 | 62.7 | | | | | | | |
| | 23 | | | | | | | | |
| | 24 | | 6.9 | | < 1.3 | | | | |
| | 25 | 61.7 | | | | | | | |
| | 26 | | | | | | | | |
| | 27 | 62.0 | | | - | | | | |
| | 28 | 60.1 | | | | | | | |
| | 29 | 62.2 | | | | | | | |
| | 30 | 61.4 | | | | | | | |
| | | | | | | | | | • |
| MONTHLY AVERAG | SE | 62.4 | | | < 1.3 | 0.15 | 0.00029 | 5.71 | 0.01 |
| HIGHEST VALUE | | 65.0 | 8.0 | | 1.3 | 0.19 | 0.00035 | 5.90 | 0.01 |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

58.3

1872.061

6.9

0

LOWEST VALUE

TOTAL FLOW

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

0.11

0.00022

5.53

0

0.011

0

Joseph E. Hanning (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control Page 20 of 84

1.3

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.



| Revision Pending Approval | - September 2003 |
|----------------------------|--|
| FACILITY NAME AND ADDRESS: | PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONT |
| | THIS REPORT MUST BE POSTMARKED NO LATER THAN T |
| II S. Stool Corporation | 20TH OF THE FOLLOWING MONTH |

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402 THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Ή.

Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015

Indianapolis, Indiana 46206-6015

| ı | N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | | 2 | 0 | | 0 | 4 | 1 | 7 |
|---------------|---|---|---|-----|-----|---|---|---|---|----|----|---|--|---|---|---|---|
| PERMIT NUMBER | | | | OUT | FAL | | - | = | М | Ο. | YR | • | | | | | |

| EFFLUENT CHARACTERISTICS | | Mercury, Total | | Chlorine, Total Residual | | Temperature, Final | | |
|--------------------------|------------------|----------------|------------|--------------------------|--------|--------------------|------------|--|
| EFFLUENT PARAME | TER NUMBER | Q71901 | C71901 | Q50060 | C50060 | ***** | C00011 | |
| SAMPLE TYPE | Permit Condition | Grab | Grab | Grab | Grab | ***** | Grab-6 | |
| SAMPLE TIPE | Monitored | Grab | Grab | Grab | Grab | ***** | Continuous | |
| FREQUENCY | Permit Condition | Bi-monthly | Bi-monthly | Daily | Daily | ***** | 2/7 | |
| TREQUENCT | Monitored | 1/30 | 1/30 | Daily | Daily | ***** | Continuous | |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | |
| LIMITATIONS | Permit Average | Report | Report | 5.4 | 8 | ***** | ***** | |
| | Permit Maximum | Report | Report | 40.3 | 60 | ***** | Report | |
| UNITS | 3 | LB/DAY | NG/L | LB/DAY | UG/L | | °F | |
| | 1 | | | < 10.85 | | | 53.8 | |
| | 2 | | | < 10.73 | | | 53.1 | |
| | 3 | | | < 10.05 | | | 53.4 | |
| | 4 | | | < 10.22 | | | 55.9 | |
| | 5 | | | < 9.93 | | | 55.4 | |
| | 6 | 0.00058 | 1.2 | | | | 54.1 | |
| | 7 | | | < 9.89 | | | 56.4 | |
| | 8 | | | < 10.84 | | | 56.7 | |
| | 9 | | | < 10.80 | | | 57.8 | |
| | 10 | | | < 10.73 | | | 58.4 | |
| | 11 | | | < 10.16 | | | 58.8 | |
| | 12 | | | < 10.30 | | | 58.1 | |
| | 13 | | | < 10.80 | | | 58.0 | |
| | 14 | | | < 10.78 | | | 58.5 | |
| | 15 | | | < 10.78 | | | 58.1 | |
| | 16 | | | < 10.75 | | | 59.3 | |
| | 17 | | | < 10.64 | | | 59.3 | |
| | 18 | | | < 10.27 | | | 61.4 | |
| | 19 | | | < 10.20 | | | 60.6 | |
| | 20 | | | < 10.08 | _ | | 61.3 | |
| | 21 | | | < 10.68 | | | 62.2 | |
| | 22 | | | < 10.46 | | | 64.6 | |
| | 23 | | | < 10.69 | | | 64.2 | |
| | 24 | | | < 10.26 | | | 63.7 | |
| | 25 | | | < 10.30 | | | 64.6 | |
| | 26 | | | < 10.51 | | | 63.5 | |
| | 27 | | | < 10.34 | | | 61.4 | |
| | 28 | | | < 10.04 | | | 62.9 | |
| | 29 | | | < 10.38 | | | 63.7 | |
| | 30 | | | < 10.25 | < 20 | | 63.0 | |
| MONTHLY | _ | 2.22 | | 2.53 | | | 50.1 | |
| MONTHLY AVERAG | E | 0.0006 | 1.2 | 0.00 | 0.0 | | 59.4 | |
| HIGHEST VALUE | | 0.0006 | 1.2 | | | | 64.6 | |
| LOWEST VALUE | """ | 0.0006 | 1.2 | < 9.73 | < 20 | | 53.1 | |
| NO. OF TIMES WEE | | | | | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 100 | 0 | |

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henr | <i>y</i> | 5/21/2017 |
|------------------------|-------------|-------------------|
| (SIGNATURE OF CERTIFIE | D OPERATOR) | DATE |
| Mark Henry | | |
| 219.763.5869 | <u> </u> | WW020376 |
| PHONE NUMBER | | CERTIFICATION NO. |
| | | |

Joseph E. Hanning 5/21/2017
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

DATE

Joseph E. Hanning, Manager Environmental Control Page 21 of 84



Revision Pending Approval - September 2003

ACILITY NAME AND ADDRESS:

8

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | PERMIT NUMBER | | | OUTFA | LL NO. | M | O. Y | R. | |
|-------------------|------------------|----------|-------------------|------------------|----------------|---------------------|--|----------------|------------------|
| EFFLUENT CHARAC | CTERISTICS | FLOW | рН | Oil & C | Grease | Chlorine, To | tal Residual | | |
| EFFLUENT PARAME | | Q50050 | C00400 | | C00552 | Q50060 | C50060 | | |
| SAMPLE TYPE | Permit Condition | Estimate | Grab | | Grab | Grab | Grab | | |
| SAIVIPLE TYPE | Monitored | Estimate | Grab | | Grab | | | | |
| FREQUENCY | Permit Condition | 1 /30 | 1 /30 | | 1 /30 | Daily | Daily | | |
| FREQUENCY | Monitored | 1 /30 | 1 /30 | | 1 /30 | | | | |
| FFFLLENT | Permit Minimum | ***** | 6.0 | | ***** | ***** | ***** | | |
| EFFLUENT | Permit Average | Report | ***** | | ***** | 0.040 | 8 | | |
| LIMITATIONS | Permit Maximum | Report | 9.0 | | Report | 0.3 | 60 | | |
| | UNITS = | MGD | S.U. | | MG/L | LB/DAY | UG/L | | |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | 0.6 | 7.6 | | < 1.3 | | | | |
| | 4 | 5.0 | | | | | | | |
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| | 28 | | | | | | | | |
| | 29 | | | | | | | | |
| | 30 | | | | | | | | |
| MONTHLY | Г | 0.0 | | | | N.L.O. | N 1 6 | | |
| MONTHLY AVERAG | С | 0.6 | 7.0 | | < 1.3 | NA NA | NA NA | | |
| HIGHEST VALUE | | 0.6 | 7.6 | | < 1.3 | NA NA | NA NA | | |
| LOWEST VALUE | KI V OD DA!! V | 0.6 | 7.6 | | < 1.3 | NA | NA | | |
| NO. OF TIMES WEE | | 6 | | | 6 | | | | |
| EFFL. LIMITATIONS | EXCEEDED | 0 | 0 | | 0 | 0 | 0 | | |
| TOTAL FLOW | | 18 | Highlighted Month | hly Averages are | LOQ based cald | culations. Highligl | hted values <lo0< td=""><td>ລ & >= LOD are</td><td>not quantifiable</td></lo0<> | ລ & >= LOD are | not quantifiable |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

Page 22 of 84



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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

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Revision Pending Approval - September 2003

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2 8

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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2

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

4

Indianapolis, Indiana 46206-6015

| | ERMIT NUMBER | 2 0 | | OUTFAL | | MC | MO. YR. | | | |
|----------------------|-----------------|--------|--|------------------|---|---------------|----------------|--------|--------|--|
| EFFLUENT CHARACTE | RISTICS | FLOW | рН | TS | S | Oil & C | Grease | Lead, | Total | |
| EFFLUENT PARAMETE | R NUMBER | Q50050 | C00400 | Q00530 | C00530 | Q00552 | C00552 | Q01051 | C01051 | |
| SAMPLE TYPE | ermit Condition | RCOTOT | Grab | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp | |
| SAMPLE TYPE M | onitored | RCOTOT | Grab | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp | |
| EDECLIENCY PE | ermit Condition | Daily | 1/7 | 5/7 | 5/7 | 5/7 | 5/7 | 2/7 | 2/7 | |
| FREQUENCY M | onitored | Daily | 1/7 | 5/7 | 5/7 | 5/7 | 5/7 | 2/7 | 2/7 | |
| Pe | ermit Minimum | ***** | 6.0 | ***** | ***** | ***** | ***** | ***** | ***** | |
| EFFLUENT PE | ermit Average | Report | ***** | 2038 | Report | 1274 | Report | 6.1 | 0.026 | |
| TIMITATIONS — | ermit Maximum | Report | 9.0 | 5933 | Report | 2807 | Report | 12 | 0.052 | |
| | UNITS = | MGD | S.U. | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L | |
| | 1 | 5.74 | 0.07 | | | | | | | |
| | 2 | 5.85 | | | | | | | | |
| | 3 | 6.20 | 7.8 | 367.1 | 7.1 | < 90 | < 1.7 | 0.20 | 0.0038 | |
| | 4 | 6.01 | 7.0 | 501.6 | 10 | 114 | 2.3 | 0.20 | 0.0030 | |
| | 5 | 6.23 | | 587.2 | 11 | < 78 | < 1.5 | 0.16 | 0.0030 | |
| | 6 | 4.96 | | 537.5 | 13 | < 68 | < 1.6 | 0.16 | 0.0030 | |
| | 7 | 6.17 | | 824.4 | 16 | 137 | 2.7 | | | |
| | | | | 024.4 | 10 | 137 | 2.1 | | | |
| | 8 | 6.50 | | | | | | | | |
| | 9 | 6.54 | | | | | 1.0 | 2.12 | | |
| | 10 | 6.74 | 7.700 | 787.6 | 14 | < 73 | < 1.3 | 0.18 | 0.0032 | |
| | 11 | 6.20 | | 672.2 | 13 | < 143 | < 2.8 | | | |
| | 12 | 6.38 | | 426.0 | 8.0 | 193 | 3.6 | 0.10 | 0.0018 | |
| | 13 | 6.16 | | 457.7 | 8.9 | 81 | 1.6 | | | |
| | 14 | 6.12 | | 562.0 | 11 | 111 | 2.2 | | | |
| | 15 | 5.72 | | | | | | | | |
| | 16 | 5.90 | | | | | | | | |
| | 17 | 5.92 | 8 | 345.5 | 7.0 | < 64 | < 1.3 | 0.17 | 0.0035 | |
| | 18 | 5.51 | | 248.5 | 5.4 | < 103 | < 2.2 | | | |
| | 19 | 6.71 | | 391.9 | 7.0 | < 73 | < 1.3 | 0.12 | 0.0021 | |
| | 20 | 6.83 | | 302.2 | 5.3 | 179 | 3.1 | | | |
| | 21 | 6.96 | | 156.8 | 2.7 | < 99 | < 1.7 | | | |
| | 22 | 6.61 | | | | | | | | |
| | 23 | 6.35 | | | | | | | | |
| | 24 | 6.92 | 7.7 | 282.9 | 4.9 | < 90 | < 1.6 | 0.08 | 0.0014 | |
| | 25 | 6.87 | | 206.3 | 3.6 | < 96 | < 1.7 | | | |
| | 26 | 6.92 | | 179.0 | 3.1 | 158 | 2.7 | 0.09 | 0.0015 | |
| | 27 | 6.30 | | 215.7 | 4.1 | < 72 | < 1.4 | 5.55 | | |
| | 28 | 7.06 | | 218.1 | 3.7 | 100 | 1.7 | | | |
| | 29 | 7.02 | | 210.1 | 0.7 | | | | | |
| | 30 | 6.09 | | | | | | | | |
| | 30 | 0.00 | | | | | | | | |
| MONTHLY AVERAGE | | 6.32 | | 413.5 | 8.0 | < 106 | < 2.0 | 0.14 | 0.0025 | |
| HIGHEST VALUE | | 7.06 | 8.0 | 824.4 | 16 | 193 | 3.6 | 0.14 | 0.0023 | |
| LOWEST VALUE | | 4.96 | 7.7 | 156.8 | 2.7 | < 64 | < 1.3 | 0.20 | 0.0038 | |
| NO. OF TIMES WEEKL' | V OP DAII V | 4.50 | 1.1 | 130.6 | 2.1 | × 04 | \ 1.3 | 0.06 | 0.0014 | |
| EFFL. LIMITATIONS EX | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | OLEDED | | | | | | | | U | |
| TOTAL FLOW | | 189.48 | Highligh | ted daily values | are <loq &<="" td=""><td>x >= LUD, and</td><td>are not quanti</td><td>nadie.</td><td></td></loq> | x >= LUD, and | are not quanti | nadie. | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/ | 21/2017 |
|--|-----------|----------|
| (SIGNATURE OF CERTIFIED OPERATOR) | | DATE |
| Mark Henry | | |
| 219.763.5869 | WW02 | 20376 |
| PHONE NUMBER | CERTIFICA | TION NO. |
| Joseph E. Hanning | 5/ | 21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | | DATE |

Joseph E. Hanning, Manager Environmental Control

Page 24 of 84



Gary, IN 46402

Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS: U.S. Steel Corporation One North Broadway Mail Sta. 70

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | 2 8 | 1 | 0 2 8 | 0 4 | 1 7 |
|---------------|-----|---|-------------|-----|-----|
| PERMIT NUMBER | | | OUTFALL NO. | MO. | YR. |

| EFFLUENT CHARACTERISTICS | | Zinc, Total | | Mercury, Total | | Chlorine, Tota | al Residual | Temperature, Final | |
|--------------------------|------------------|-------------|--------|----------------|------------|----------------|-------------|--------------------|------------|
| EFFLUENT PARAMI | ETER NUMBER | Q01094 | C01094 | Q71901 | C71901 | Q50060 | C50060 | Q00011 | C00011 |
| SAMPLE TYPE | Permit Condition | Comp | Comp | Grab | Grab | Grab | Grab | ***** | Grab |
| SAIVIFLE ITPE | Monitored | Comp | Comp | Grab | Grab | Grab | Grab | ***** | Continuous |
| FREQUENCY | Permit Condition | 1/7 | 1/7 | Bi-monthly | Bi-monthly | Daily | Daily | ***** | 2/7 |
| TREQUENCT | Monitored | 1/7 | 1/7 | 1/30 | 1/30 | Daily | Daily | ***** | Continuous |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | Report | Report | Report | 1.9 | 8 | ***** | ***** |
| LIMITATIONS | Permit Maximum | Report | Report | Report | Report | 14.1 | 60 | ***** | Report |
| UNITS | 3 | LB/DAY | MG/L | LB/DAY | NG/L | LB/DAY | UG/L | | °F |
| | 1 | | | | | < 0.96 | < 20 | | 68.3 |
| | 2 | | | | | < 0.98 | < 20 | | 67.1 |
| | 3 | 7.24 | 0.14 | | | < 1.03 | < 20 | | 67.8 |
| | 4 | | | | | < 1.00 | < 20 | | 67.4 |
| | 5 | | | | | < 1.04 | < 20 | | 67.5 |
| | 6 | | | 0.0001 | 2.9 | < 0.83 | < 20 | | 64.3 |
| | 7 | | | | | < 1.03 | < 20 | | 63.1 |
| | 8 | | | | | < 1.09 | < 20 | | 70.8 |
| | 9 | | | | | < 1.09 | < 20 | | 74.6 |
| | 10 | 4.95 | 0.088 | | | < 1.13 | < 20 | | 75.6 |
| | 11 | | | | | < 1.03 | | | 73.7 |
| | 12 | | | | | < 1.06 | < 20 | | 73.2 |
| | 13 | | | | | < 1.03 | | | 71.6 |
| | 14 | | | | | < 1.02 | < 20 | | 73.3 |
| | 15 | | | | | < 0.95 | < 20 | | 75.7 |
| | 16 | | | | | < 0.99 | | | 76.5 |
| | 17 | 3.65 | 0.074 | | | < 0.99 | | | 75.4 |
| | 18 | | | | | < 0.92 | | | 74.3 |
| | 19 | | | | | < 1.12 | | | 75.4 |
| | 20 | | | | | < 1.14 | | | 75.9 |
| | 21 | | | | | < 1.16 | | | 73.0 |
| | 22 | | | | | < 1.10 | | | 74.3 |
| | 23 | | | | | < 1.06 | | | 76.5 |
| | 24 | 3.06 | 0.053 | | | < 1.15 | | | 77.9 |
| | 25 | | | | | < 1.15 | | | 78.0 |
| | 26 | | | | | < 1.15 | | | 79.8 |
| | 27 | | | | | < 1.05 | | | 76.2 |
| | 28 | | | | | < 1.18 | | | 74.8 |
| | 29 | | | | | < 1.17 | | | 73.7 |
| | 30 | <u>-</u> | | | | < 1.02 | < 20 | | 73.8 |
| | | | | | | | | | |
| MONTHLY AVERAG | SE CONTRACTOR | 4.73 | 0.089 | 0.0001 | 2.9 | | 0.0 | | 73.0 |
| HIGHEST VALUE | | 7.24 | 0.14 | 0.0001 | 2.9 | | | | 79.8 |
| LOWEST VALUE | | 3.06 | 0.053 | 0.0001 | 2.9 | < 0.83 | < 20 | | 63.1 |
| NO. OF TIMES WEE | | | | | | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

Page 25 of 84

DATE

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control



| Revision Fending Approval - Sep | Lettibet 2003 | |
|---------------------------------|---------------|---|
| FACILITY NAME AND ADDRESS: | PLEASE CO | MPLETE AND SUBMIT ONE COPY EACH MONTH. |
| | THIS REPOF | RT MUST BE POSTMARKED NO LATER THAN THE |
| U.S. Steel Corporation | 28TH OF TH | HE FOLLOWING MONTH. |
| One North Broadway | İ | |
| Mail Sta. 70 | Mail To: | Indiana Dept. of Environmental Management |
| Gary, IN 46402 | Ì | Office of Water Quality / Data Management Section |
| | | |

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | | | | | | | | | | | - | | | | |
|---|---|-------|-------|-----|---|---|---|-------|------|----|---|----|----|----|----|
| N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 2 | 8 | | 0 | 4 | 1 | 7 |
| | | PERMI | T NUM | BER | | | • | OUTFA | LL N | Ю. | | MC |). | YF | ₹. |

| FFLUENT CHARAC | | Fluor | | | | | |
|--------------------|------------------|--------|--------|-----------------------|------|-----------------|----------|
| FFLUENT PARAME | TER NUMBER | Q00951 | C00951 | | | | |
| SAMPLE TYPE | Permit Condition | Comp | Comp | | | | |
| SAMPLE ITPE | Monitored | Comp | Comp | | | | |
| EDEOUENOV | Permit Condition | 2/30 | 2/30 | | | | |
| FREQUENCY | Monitored | 2/30 | 2/30 | | | | |
| | Permit Minimum | ***** | ***** | | | | |
| EFFLUENT | Permit Average | Report | Report | | | | |
| LIMITATIONS | Permit Maximum | Report | Report | | | | |
| UNITS | | LB/DAY | MG/L | | | | |
| 0 | 1 | | | | | | |
| | 2 | | | | | + | |
| | 3 | 165 | 3.2 | | | + | |
| | 4 | 100 | 5.2 | | | | |
| | 5 | | | | | + | |
| | 6 | | | | | | |
| | 7 | | | | | | |
| | | | | | | + | |
| | 8 | | | | | | |
| | 9 | 64.4 | | | | 1 | ļ |
| | 10 | 214 | 3.8 | | | | |
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| | 30 | | | | | | |
| | | | | | | 1 | |
| ONTHLY AVERAGI | E | 190 | 3.5 | | | | |
| IIGHEST VALUE | | 214 | 3.8 | | | | |
| OWEST VALUE | | 165 | 3.2 | | | | |
| O. OF TIMES WEEL | KLY OR DAILY | 100 | 0.2 | | | | |
| FFL. LIMITATIONS | | 0 | 0 | | | 1 | |
| I I L. LIWITATIONS | LACCEDED | U | | ed daily values are < | 1000 | 16 - l- l - | <u> </u> |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|--|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Joseph E. Hanning | 5/21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |
| Joseph E. Hanning, Manager Environmental Control | Page 26 of 84 |



Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| I | N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | | | 0 | 3 | 0 | | 0 | 4 | 1 | 7 | |
|--------|--------|-------|-------|---------|-------|-----|------|---|-------|----|------|-------|------|----|-------|-------|-------|-----|-----|
| | | | PERM | IIT NUN | /IBER | | | | | | OUTF | ALL N | IO. | _ | M | Э. | Y | R. | - |
| EFFLU | JENT C | HARAC | TERIS | TICS | | FL | ow | | рН | | Т | SS | | | Oil & | Greas | e | | Le |
| FFFI I | JENT P | ARAME | TER N | UMBER | ? | Q50 | 0050 | C | 00400 | O0 | 0530 | CC | 0530 | O0 | 0552 | C | 00552 | Q01 | 051 |

| EFFLUENT CHARA | CTERISTICS | FLOW | рН | TSS | | Oil & C | Grease | Lead, Total | |
|-------------------|------------------|--------|----------|-----------------|---|------------------------------------|-----------------|-------------|--------|
| EFFLUENT PARAM | ETER NUMBER | Q50050 | C00400 | Q00530 | C00530 | Q00552 | C00552 | Q01051 | C01051 |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp |
| SAIVIPLE I TPE | Monitored | RCOTOT | Grab | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp |
| FREQUENCY | Permit Condition | Daily | 1/7 | 5/7 | 5/7 | 5/7 | 5/7 | 2/7 | 2/7 |
| FREQUENCY | Monitored | Daily | 1/7 | 5/7 | 5/7 | 5/7 | 5/7 | 2/7 | 2/7 |
| EFFLUENT | Permit Minimum | ***** | 6.0 | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | ***** | 2038 | Report | 1274 | Report | 6.1 | 0.026 |
| LIMITATIONS | Permit Maximum | Report | 9.0 | 5933 | Report | 2807 | Report | 12 | 0.052 |
| | UNITS = | MGD | S.U. | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L |
| | 1 | 12.56 | | | | | | | |
| | 2 | 12.52 | | | | | | | |
| | 3 | | 7.9 | 938.1 | 8.1 | < 193 | < 1.7 | 0.45 | 0.0039 |
| | 4 | 13.48 | | 899.8 | 8.0 | < 165 | < 1.5 | | |
| | 5 | | | 1055.3 | 9.0 | < 258 | < 2.2 | 0.35 | 0.0030 |
| | 6 | | | 1155.1 | 14 | 149 | 1.8 | | |
| | 7 | 12.94 | | 1404.0 | 13 | 216 | 2.0 | | |
| | 8 | 13.27 | | | | | | | |
| | 9 | 13.52 | | | | | | | |
| | 10 | 14.86 | 7.9 | 1488.2 | 12 | 335 | 2.7 | 0.40 | 0.0032 |
| | 11 | 14.59 | | 1826.2 | 15 | 207 | 1.7 | | |
| | 12 | | | 1235.2 | 10 | 441 | 3.6 | 0.22 | 0.0018 |
| | 13 | 14.43 | | 1192.1 | 9.9 | 225 | 1.9 | | |
| | 14 | 14.67 | | 1175.5 | 9.6 | 233 | 1.9 | | |
| | 15 | | | | | | | | |
| | 16 | 16.12 | | | | | | | |
| | 17 | 14.81 | 8.1 | 692.0 | 5.6 | < 161 | < 1.3 | 0.51 | 0.0041 |
| | 18 | | | 903.7 | 6.9 | < 223 | < 1.7 | | |
| | 19 | 17.30 | | 808.7 | 5.6 | < 188 | < 1.3 | 0.23 | 0.0016 |
| | 20 | 16.49 | | 674.3 | 4.9 | 349 | 2.5 | | |
| | 21 | 16.50 | | 399.3 | 2.9 | < 197 | < 1.4 | | |
| | 22 | 15.70 | | | | | | | |
| | 23 | 15.44 | | | | | | | |
| | 24 | 17.51 | 7.7 | 569.8 | 3.9 | < 205 | < 1.4 | 0.19 | 0.0013 |
| | 25 | 17.36 | | 681.0 | 4.7 | < 188 | < 1.3 | | |
| | 26 | 17.41 | | 494.0 | 3.4 | < 189 | < 1.3 | 0.25 | 0.0017 |
| | 27 | 15.73 | | 538.1 | 4.1 | < 193 | < 1.5 | | |
| | 28 | 17.46 | | 305.9 | 2.1 | < 248 | < 1.7 | | |
| | 29 | 17.92 | | | | | | | |
| | 30 | 17.62 | | | | | | | |
| NOVE WATER | | 45 | | | | | | | |
| MONTHLY AVERAG | BE | 15.11 | 0.1 | 921.8 | 7.6 | < 228 | < 1.8 | 0.32 | 0.0026 |
| HIGHEST VALUE | | 17.92 | 8.1 | 1826.2 | 15 | 441 | 3.6 | 0.51 | 0.0041 |
| LOWEST VALUE | | 9.89 | 7.7 | 305.9 | 2.1 | < 149 | < 1.3 | 0.19 | 0.0013 |
| NO. OF TIMES WEE | - | | _ | [| | | | | |
| EFFL. LIMITATIONS | EXCEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL FLOW | | 453.37 | Highligh | ted daily value | es are <loq &<="" td=""><td>$\epsilon >= LOD$, and ϵ</td><td>are not quantif</td><td>iable.</td><td></td></loq> | $\epsilon >= LOD$, and ϵ | are not quantif | iable. | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for

Mark Henry 5/21/2017 (SIGNATURE OF CERTIFIED OPERATOR) DATE Mark Henry 219.763.5869 WW020376 PHONE NUMBER CERTIFICATION NO. Joseph E. Hanning 5/21/2017

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)



Revision Pending Approval - September 2003

| FACILITY NAME AND ADDRESS: |
|----------------------------|
| U.S. Steel Corporation |
| One North Broadway |
| Mail Sta. 70 |
| Gary, IN 46402 |

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Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | | | | | | | | | | | | _ | | | | |
|-----|---|---|---|---------|------|---|---|---|------|-------|-----|---|----|----|----|----|
| - 1 | N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 3 | 0 | | 0 | 4 | 1 | 7 |
| | | • | | IIT NUN | IBER | • | • | • | OUTF | ALL 1 | NO. | 4 | MC |). | YI | R. |

| EFFLUENT CHARAC | TERISTICS | Zinc. | Total | Mercu | ry, Total | Chlorine, Tota | al Residual | Temperature, | Final |
|-------------------|------------------|---------|--------|------------|------------|----------------|-------------|--------------|------------|
| EFFLUENT PARAME | | Q01094 | C01094 | Q71901 | C71901 | Q50060 | C50060 | Q00011 | C00011 |
| | Permit Condition | Comp | Comp | Grab | Grab | Grab | Grab | ***** | Grab |
| SAMPLE TYPE | Monitored | Comp | Comp | Grab | Grab | Grab | Grab | ***** | Continuous |
| | Permit Condition | 1/7 | 1/7 | Bi-monthly | Bi-monthly | Daily | Daily | ***** | 2/7 |
| FREQUENCY | Monitored | 1/7 | 1/7 | 1/30 | 1/30 | Daily | Daily | ***** | Continuous |
| | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT | Permit Average | Report | Report | Report | Report | 1.9 | 8 | ***** | ***** |
| LIMITATIONS | Permit Maximum | Report | Report | Report | Report | 14.1 | 60 | ***** | Report |
| UNITS | | LB/DAY | MG/L | LB/DAY | NG/L | LB/DAY | UG/L | | °F |
| 51.115 | 1 | 20,0,11 | 111072 | 20,0,11 | | < 2.10 | | | 68.9 |
| | 2 | | | | | < 2.09 | | | 67.5 |
| | 3 | 17.37 | 0.15 | | | < 2.32 | | | 67.9 |
| | 4 | 17.07 | 0.10 | | | < 2.25 | | | 67.8 |
| | 5 | | | | | < 2.35 | | 1 | 67.8 |
| | 6 | | | 0.0002 | 2.5 | | | | 64.3 |
| | 7 | | | 0.0002 | 2.0 | < 2.16 | _ | | 62.6 |
| | 8 | | | | | | < 20 | | 69.9 |
| | 9 | | | | | < 2.26 | | | 73.5 |
| | 10 | 10.91 | 0.088 | | | < 2.48 | | | 74.5 |
| | 11 | 10.01 | 0.000 | | | < 2.43 | | | 73.2 |
| | 12 | | | | | < 2.47 | | | 73.2 |
| | 13 | | | | | < 2.41 | < 20 | | 71.2 |
| | 14 | | | | | < 2.45 | | | 72.9 |
| | 15 | | | | | < 2.48 | | | 74.5 |
| | 16 | | | | | < 2.69 | | | 75.9 |
| | 17 | 9.76 | 0.079 | | | < 2.47 | | | 75.4 |
| | 18 | 0.70 | 0.070 | | | | < 20 | | 73.7 |
| | 19 | | | | | < 2.89 | | | 74.8 |
| | 20 | | | | | < 2.75 | | | 74.7 |
| | 21 | | | | | < 2.75 | | | 72.9 |
| | 22 | | | | | < 2.62 | | | 73.9 |
| | 23 | | | | | < 2.58 | | | 76.2 |
| | 24 | 6.72 | 0.046 | | | < 2.92 | | | 77.4 |
| | 25 | 0 2 | 0.0.0 | | | < 2.90 | | | 77.6 |
| | 26 | | | | | | < 20 | | 78.9 |
| | 27 | | | | | < 2.63 | | | 75.7 |
| | 28 | | | | | < 2.91 | | | 74.5 |
| | 29 | | | | | < 2.99 | | | 73.2 |
| | 30 | | | | | < 2.94 | | | 73.2 |
| | | | | | | 2.04 | . 20 | | . 5.2 |
| MONTHLY AVERAGI | | 11.19 | 0.091 | 0.0002 | 2.5 | 0.00 | 0.0 | | 72.6 |
| HIGHEST VALUE | | 17.37 | 0.15 | 0.0002 | 2.5 | | | | 78.9 |
| LOWEST VALUE | | 6.72 | 0.046 | 0.0002 | 2.5 | | | | 62.6 |
| NO. OF TIMES WEEL | KLY OR DAILY | | | | | | | | |
| EFFL. LIMITATIONS | EXCEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|--|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Joseph E. Hanning | 5/21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |

Joseph E. Hanning, Manager Environmental Control

Page 28 of 84



knowing violations.

information, including the possibility of fine and imprisonment for

Indiana Discharge Monitoring Report Form 30530

| | MONTHLY MO | NITORING F | | /IR) FOR IN g Approval - Septe | | DISCHARG | E PERMITS | i | |
|---------------------------|---|--|----------------|-----------------------------------|------------------------|---|--------------------------|----------------|---------|
| # 1016 ··· | FACILITY NAME AND ADDR | | | | PLEASE CO THIS REPO | OMPLETE AND SI RT MUST BE PO HE FOLLOWING | STMARKED NO | | |
| | One North Broadway | | | | | | | | |
| | Mail Sta. 70 | | | | Mail To: | | ot. of Environment | _ | |
| | Gary, IN 46402 | | | | | | ater Quality / Data | ı Management S | Section |
| | | | | | | P.O. Box 60 Indianapolis | 015 s, Indiana 46206- | 6015 | |
| | | | | | | · | | | |
| I N O | 0 0 0 PERMIT NUMBER | 2 8 | 1 | 0 OUTFAL | 3 0 L NO. | MO. | YR. | | |
| EFFLUENT CHARA | | Fluo | | | | | | | |
| EFFLUENT PARAM | | Q00951 | C00951 | | | | | | |
| SAMPLE TYPE | Permit Condition | Comp | Comp | | | | | | |
| | Monitored | Comp | Comp | | | | | | |
| FREQUENCY | Permit Condition | 2/30 | 2/30 | | | | | | |
| | Monitored | 2/30 | 2/30 | | | | | | |
| EFFLUENT | Permit Minimum | | | | | | | | |
| LIMITATIONS | Permit Average | Report | Report | | | | | | |
| LINIT | Permit Maximum | Report LB/DAY | Report | | | | | | |
| UNIT | | | MG/L | | | | | | |
| | 1 2 | | | | | | | + | |
| | 3 | | 3.1 | | | | | | |
| | 4 | | 0.1 | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | 471 | 3.8 | | | | | | |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | | | | | | | | |
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| | 23 | | | - | | | | | |
| | 24 25 | | | | | | | | |
| | 26 | | | + | + | + | + | | |
| | 27 | | | + | + | + | + | - | |
| | 28 | | | | | | | | |
| | 29 | | | | | - | | | |
| | 30 | | | | | | | | |
| | | | | + | + | + | + | | |
| MONTHLY AVERAGE | GE | 415 | 3.5 | | | | | | |
| HIGHEST VALUE | | 471 | 3.8 | | | | | | |
| LOWEST VALUE | | 359 | 3.1 | | | | | | |
| NO. OF TIMES WEE | | | | | | | | | |
| EFFL. LIMITATIONS | SEXCEEDED | 0 | 0 | | 1000 | 100 | | | |
| I certify under penalty o | of law that this document an | d all attachments | Highlighte | ea daily values | are <loq &="">:</loq> | = LOD, and are | not quantifiable |). | |
| were prepared under m | ny direction or supervision in | accordance with | | | | | | | |
| a system designed to a | ssure that qualified person | nel properly gather | r _ | | Mark H | | | | 2017 |
| and evaluate the inform | nation submitted. Based or | (SIG | NATURE OF CERT | IFIED OPERATOR) | | DA | TE | | |
| • | ons who manage the system, or those persons directly onsible for gathering the information, the information submitted is, | Mark He | • | | | | | | |
| | - | | | | 219.763.58 | | | WW0203 | |
| | edge and belief, true, accur | | ١. | | PHONE NUMI | BER | (| CERTIFICATION | ON NO. |
| I am aware that there a | re significant penalties for s | submitting false | | | | | | | |

Joseph E. Hanning (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

DATE Page 29 of 84

5/21/2017



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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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Mail To: Indiana Dept. of En

Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

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Indianapolis, Indiana 46206-6015

| | PERMIT NUMBER | • | <u> </u> | OUTFALL | NO. | MC |). YF | ₹. | |
|-------------------|------------------|--------|----------|---------------------|----------------------|----------------|-----------------|--------|--------|
| EFFLUENT CHARA | CTERISTICS | FLOW | | TSS | | Oil & G | irease | Lead, | Total |
| EFFLUENT PARAM | ETER NUMBER | Q50050 | | Q00530 | C00530 | Q00552 | C00552 | Q01051 | C01051 |
| SAMPLE TYPE | Permit Condition | RCOTOT | | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp |
| O/WIN EE TITE | Monitored | RCOTOT | | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp |
| FREQUENCY | Permit Condition | Daily | | 5/7 | 5/7 | 5/7 | 5/7 | 2/7 | 2/7 |
| TREGOENOT | Monitored | Daily | | 5/7 | 5/7 | 5/7 | 5/7 | 2/7 | 2/7 |
| EFFLUENT | Permit Minimum | ***** | | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | | 2038 | Report | 1274 | Report | 6.1 | 0.026 |
| | Permit Maximum | Report | | 5933 | Report | 2807 | Report | 12 | 0.052 |
| | UNITS = | MGD | | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L |
| | 1 | 18.30 | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | 20.08 | | 1305.3 | 7.8 | < 282.7 | < 1.7 | 0.65 | 0.0039 |
| | 4 | | | 1401.4 | 8.6 | 278.7 | 1.7 | | |
| | 5 | | | 1642.5 | 9.7 | < 335.9 | < 2.0 | 0.51 | 0.0030 |
| | 6 | | | 1692.6 | 14 | < 216.1 | < 1.7 | | |
| | 7 | 19.12 | | 2228.4 | 14 | 353.4 | 2.2 | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | 21.60 | | 2275.7 | 13 | < 408 | < 2.3 | 0.58 | 0.0032 |
| | 11 | 20.79 | | 2498.4 | 14 | < 350 | < 2.0 | | |
| | 12 | 21.18 | | 1661.2 | 9 | 634 | 3.6 | 0.32 | 0.0018 |
| | 13 | 20.59 | | 1649.8 | 10 | 305.3 | 1.8 | | |
| | 14 | 20.80 | | 1737.5 | 10 | 343.3 | 2.0 | | |
| | 15 | 20.56 | | | | | | | |
| | 16 | 22.03 | | | | | | | |
| | 17 | 20.72 | | 1037.5 | 6.0 | < 224.8 | < 1.3 | 0.68 | 0.0039 |
| | 18 | 21.21 | | 1152.2 | 6.5 | < 325.4 | < 1.8 | | |
| | 19 | 24.01 | | 1200.6 | 6.0 | < 260.5 | < 1.3 | 0.35 | 0.0017 |
| | 20 | 23.32 | | 976.5 | 5.0 | 527.3 | 2.7 | | |
| | 21 | 23.46 | | 556.0 | 2.8 | < 296 | < 1.5 | | |
| | 22 | 22.31 | | | | | | | |
| | 23 | 21.78 | | | | | | | |
| | 24 | 24.43 | | 852.7 | 4.2 | < 295 | < 1.4 | 0.27 | 0.0013 |
| | 25 | 24.23 | | 887.3 | 4.4 | < 283.9 | < 1.4 | | |
| | 26 | 24.33 | | 673.0 | 3.3 | 346.7 | 1.7 | 0.33 | 0.0016 |
| | 27 | 22.03 | | 753.8 | 4.1 | < 264.4 | < 1.4 | | |
| | 28 | 24.52 | | 524.0 | 2.6 | 347.9 | 1.7 | | |
| | 29 | 24.95 | | | | | | | |
| | 30 | 23.70 | | | | | | | |
| | | | | | | | | | |
| MONTHLY AVERAGE | SE . | 21.43 | | 1335.3 | 7.7 | < 334 | < 1.9 | 0.46 | 0.0026 |
| HIGHEST VALUE | | 24.95 | | 2498.4 | 14 | 634 | 3.6 | 0.68 | 0.0039 |
| LOWEST VALUE | | 14.84 | | 524.0 | 2.6 | < 216.1 | < 1.3 | 0.27 | 0.0013 |
| NO. OF TIMES WEE | | | | | | | | | |
| EFFL. LIMITATIONS | SEXCEEDED | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL FLOW | | 642.85 | Highligh | nted daily values a | are <loq &=""></loq> | = LOD, and are | e not quantifia | ıble. | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for

 Mark Henry
 5/21/2017

 (SIGNATURE OF CERTIFIED OPERATOR)
 DATE

 Mark Henry
 219.763.5869
 WW020376

 PHONE NUMBER
 CERTIFICATION NO.

 Joseph E. Hanning
 5/21/2017

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

DATE



Revision Pending Approval - September 2003

| | rtevision r ending reprovai |
|---------------------------|-----------------------------|
| FACILITY NAME AND ADDRESS | S: |
| | |
| U.S. Steel Corporation | |
| One North Broadway | |
| Mail Sta. 70 | |
| Gary, IN 46402 | |

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

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|---|---|---|-------|---|-----|---|---|---|
| | | | PERMI | | BER | | | |

| EFFLUENT CHARAC | CTERISTICS | Zinc, T | otal | Mercury, | Total | Fluo | ride | Chlorine, To | tal Residual |
|-------------------|------------------|---------|--------|------------|------------|--------|--------|--------------|--------------|
| EFFLUENT PARAME | ETER NUMBER | Q01094 | C01094 | Q71901 | C71901 | Q00951 | C00951 | Q50060 | C50060 |
| SAMPLE TYPE | Permit Condition | Comp | Comp | Grab | Grab | Comp | Comp | Grab | Grab |
| SAMPLETIFE | Monitored | Comp | Comp | Grab | Grab | Comp | Comp | Grab | Grab |
| FREQUENCY | Permit Condition | 1/7 | 1/7 | Bi-monthly | Bi-monthly | 2/30 | 2/30 | Daily | Daily |
| TREQUENCT | Monitored | 1/7 | 1/7 | 1/30 | 1/30 | 2/30 | 2/30 | Daily | Daily |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | Report | Report | Report | Report | Report | 1.9 | 8 |
| | Permit Maximum | Report | Report | Report | Report | Report | Report | 14.1 | 60 |
| UNITS | 3 | LB/DAY | MG/L | LB/DAY | NG/L | LB/DAY | MG/L | Lbs/Day | ug/L |
| | 1 | | | | | | | < 3.05 | |
| | 2 | | | | | | | < 3.07 | |
| | 3 | 24.61 | 0.15 | | | 525 | 3.1 | < 3.35 | |
| | 4 | | | | | | | < 3.25 | < 20 |
| | 5 | | | | | | | < 3.38 | |
| | 6 | | | 0.0003 | 2.6 | | | < 2.48 | < 20 |
| | 7 | | | | | | | < 3.19 | |
| | 8 | | | | | | | < 3.30 | |
| | 9 | | | | | | | < 3.35 | |
| | 10 | 15.86 | 0.088 | | | 685 | 3.8 | | |
| | 11 | | | | | | | < 3.47 | |
| | 12 | | | | | | | < 3.54 | < 20 |
| | 13 | | | | | | | < 3.44 | < 20 |
| | 14 | | | | | | | < 3.47 | < 20 |
| | 15 | | | | | | | < 3.43 | |
| | 16 | | | | | | | < 3.68 | |
| | 17 | 13.41 | 0.078 | | | | | < 3.46 | < 20 |
| | 18 | | | | | | | < 3.54 | |
| | 19 | | | | | | | < 4.01 | |
| | 20 | | | | | | | < 3.89 | |
| | 21 | | | | | | | < 3.91 | |
| | 22 | | | | | | | < 3.72 | |
| | 23 | 0.70 | 0.040 | | | | | < 3.64 | |
| | 24 | 9.78 | 0.048 | | | | | < 4.08 | |
| | 25 | | | | | | | < 4.04 | |
| | 26 | | | | | | | < 4.06 | < 20 |
| | 27 | | | | | | | < 3.68 | |
| | 28 | | | | | | | < 4.09 | |
| | 29 | | | | | | | < 4.16 | |
| | 30 | | | | | | | < 3.96 | < 20 |
| MONTHLY AVERAG | E | 15.92 | 0.090 | 0.0003 | 2.6 | 604.8 | 3.5 | 0.00 | 0.0 |
| HIGHEST VALUE | | 24.61 | 0.15 | 0.0003 | 2.6 | 685.0 | 3.8 | | |
| LOWEST VALUE | | 9.78 | 0.048 | 0.0003 | 2.6 | 524.5 | 3.1 | < 2.48 | |
| NO. OF TIMES WEE | | | | | | | | | |
| EFFL. LIMITATIONS | EXCEEDED | 0 | 0 | 0 | 0 | 0 | 0 | | |

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|--|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Joseph E. Hanning | 5/21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |

Joseph E. Hanning, Manager Environmental Control

Page 31 of 84



Gary, IN 46402

Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

| Revision Pen | nding Approval - September 2003 | |
|---------------------------|---------------------------------|---|
| ACILITY NAME AND ADDRESS: | PLEASE COM | MPLETE AND SUBMIT ONE COPY EACH MONTH. |
| | THIS REPOR | RT MUST BE POSTMARKED NO LATER THAN THE |
| J.S. Steel Corporation | 28TH OF TH | IE FOLLOWING MONTH. |
| One North Broadway | Mail To: | Indiana Dept. of Environmental Management |
| Aail Sta 70 | | Office of Water Quality / Data Management Secti |

P.O. Box 6015

Indianapolis, Indiana 46206-6015

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|---|---|---|------|---------|------|---|---|---|-------|-------|---|---|----|----|----|
| | | | PERN | IUN TIN | MBER | | | | OUTFA | LL NO | | М | Ο. | YF | ₹. |

| EFFLUENT CHARAC | CTERISTICS | FLOW | рН | Oil & Gre | ease | Chlorine, Tota | al Residual | | |
|-------------------|------------------|----------|---------------------|------------------|--------|----------------|-------------|-----------------|-----------------|
| EFFLUENT PARAME | TER NUMBER | Q50050 | C00400 | | C00552 | Q50060 | C50060 | | |
| SAMPLE TYPE | Permit Condition | Estimate | Grab | | Grab | Grab | Grab | | |
| SAMPLE TYPE | Monitored | Estimate | Grab | | Grab | | | | |
| EDECHENOV | Permit Condition | 1 /30 | 1 /30 | | 1 /30 | Daily | Daily | | |
| FREQUENCY | Monitored | 1 /30 | 1 /30 | | 1 /30 | | • | | |
| FFFLLENT | Permit Minimum | ***** | 6.0 | | ***** | ***** | ***** | | |
| EFFLUENT | Permit Average | Report | ***** | | ***** | 0.020 | 8 | | |
| LIMITATIONS | Permit Maximum | Report | 9.0 | | Report | 0.15 | 60 | | |
| | UNITS = | MGD | S.U. | | MG/L | LB/DAY | UG/L | | |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | 0.3 | 7.7 | | < 1.3 | | | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
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| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | | | | | | | | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| | 20 | | | | | | | | |
| | 21 | | | | | | | | |
| | 22 | | | | | | | | |
| | 23 | | | | | | | | |
| | 24 | | | + | | † | | | |
| | 25 | | | | | | | | |
| | 26 | | | | | | | | |
| | 27 | | | | | | | | |
| | 28 | | | + | | † | | | |
| | 29 | | | + | | † | | | † |
| | 30 | | | | | 1 | | | |
| | | | | + | | † | | | † |
| MONTHLY AVERAG | E | 0.3 | | | < 1.3 | NA | NA | | |
| HIGHEST VALUE | | 0.3 | 7.7 | | < 1.3 | NA | NA | | |
| LOWEST VALUE | | 0.3 | 7.7 | | < 1.3 | NA | NA | | |
| NO. OF TIMES WEE | KLY OR DAILY | | | | | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | | 0 | 0 | 0 | | |
| TOTAL FLOW | | 9 | Highlighted Monthly | v Averages are L | | | | & >= I OD are n | ot quantifiable |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

| Joseph E. Hanning | 5/21/2017 |
|--|---------------|
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |
| Joseph E. Hanning, Manager Environmental Control | Page 32 of 84 |



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| | Revision Pending Approval - S | September 2003 |
|---------------------------|-------------------------------|----------------|
| ACILITY NAME AND ADDRESS: | | PLEASE COM |

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

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| THIS REPORT MUST BE POSTMARKED NO LATER THAN THE |
| 20TH OF THE FOLLOWING MONTH |

Mail To:

Indiana Dept. of Environmental Management Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARACT | ERISTICS | FLOW | pН | Oil & Grease | T | Phenolic | s, Total | Chlorine, Total | l Residual |
|------------------------------|------------------|----------|--------|----------------------|-----|----------|----------|--|------------|
| EFFLUENT PARAMET | ER NUMBER | Q50050 | C00400 | C00 | 552 | Q00680 | C00680 | Q50060 | C50060 |
| SAMPLE TYPE Permit Condition | | Estimate | Grab | Grab |) | Comp | Comp | Grab | Grab |
| SAIVIPLE ITPE | /lonitored | Estimate | Grab | Grab |) | Comp | Comp | | |
| FREQUENCY F | Permit Condition | 1 /30 | 1 /30 | 1 | /30 | 1 /30 | 1 /30 | Daily | Daily |
| REQUENCT | /lonitored | 1 /30 | 1 /30 | 1 | /30 | 1 /30 | 1 /30 | | |
| EFFLUENT F | Permit Minimum | ***** | 6.0 | **** | ** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | ***** | **** | ** | ***** | ***** | 0.013 | 8 |
| F | Permit Maximum | Report | 9.0 | Rep | ort | Report | Report | 0.1 | 60 |
| | UNITS = | MGD | S.U. | MG | S/L | LB/DAY | MG/L | LB/DAY | UG/L |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | 0.2 | 7.9 | | 1.9 | 0.0068 | 0.0041 | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
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| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | | | | | | | | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| | 20 | | | | | | | | |
| | 21 | | | | | | | | |
| | 22 | | | | | | | | |
| | 23 | | | | | | | | |
| | 24 | | | | | | | | |
| | 25 | | | | | | | | |
| | 26 | | | | | | | | |
| | 27 | | | | | | | | |
| | 28 | | | | | | | | |
| | 29 | | | | | | | | |
| | 30 | | | | | | | | |
| MONTHLY AVERAGE | | 0.2 | | | 1.9 | 0.01 | 0.0041 | NA | N |
| IIGHEST VALUE | | 0.2 | 7.9 | | 1.9 | 0.01 | 0.0041 | NA | N |
| OWEST VALUE | | 0.2 | 7.9 | | 1.9 | 0.01 | 0.0041 | NA | N |
| O. OF TIMES WEEK | Y OR DAILY | J | | | | 5.51 | 0.0011 | | |
| FFL. LIMITATIONS E | | 0 | 0 | 0 | , I | 0 | 0 | 0 | 0 |
| OTAL FLOW | | | | Averages are LOQ bas | | | | | |

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |

Joseph E. Hanning (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

DATE Page 33 of 84

5/21/2017

Joseph E. Hanning, Manager Environmental Control



Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402 PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To:

Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | | | | | | | | | _ | | | | | | |
|---|---|------|---------|------|---|---|---|---|--------|----|---|---|---|-----|---|
| Ν | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 3 | 4 | | 0 | 4 | 1 | 7 |
| | | PERI | MIT NUI | MBER | | | | | ALL NO |). | • | M | | YR. | |

| EFFLUENT CHARAC | CTERISTICS | FLOW | pН | Diss. Oxygen | BOD, Carbo | Oil & Grease | | | | | |
|------------------|------------------|---------|----------|-----------------------|-------------------------|----------------|----------|-------|----------|--------|----------|
| EFFLUENT PARAME | ETER NUMBER | Q50050 | C00400 | C00300 | Q80082 | C80082 | Q | 00552 | С | 00552 | |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab | Grab | Comp | Comp | Grab | -3 | Gra | b-3 | |
| SAIVIPLE TIPE | Monitored | RCOTOT | Grab | Grab | Comp | Comp | Grab | -3 | Gra | b-3 | |
| FREQUENCY | Permit Condition | Daily | Daily | 1/7 | 2/7 | 2/7 | | 5/7 | | 5/7 | |
| FREQUENCT | Monitored | Daily | Daily | Daily | 2/7 | 2/7 | 5/7 | | 5/7 | | |
| FEELLENT | Permit Minimum | ***** | 6 | 5 | ***** | ***** | **** | ** | *** | *** | |
| EFFLUENT | Permit Average | Report | ***** | ***** | 4537 | Report | , | 1430 | F | Report | |
| LIMITATIONS | Permit Maximum | Report | 9 | ***** | 9074 | Report | 3 | 3660 | | Report | |
| UNITS | | MGD | S.U. | MG/L | LB/DAY | MG/L | LE | 3/DAY | | MG/L | |
| | 1 | 20.4 | 7.6 | 8.7 | | | | | | | |
| | 2 | 19.8 | 7.7 | 8.6 | | | | | | | |
| | 3 | 24.3 | 7.8 | 9.1 | | | < | 304 | < | 1.5 | |
| | 4 | 27.6 | 7.3 | 8.9 | 1681.35 | 7.3 | < | 299 | < | 1.3 | |
| | 5 | 28.2 | 7.2 | 8.9 | | - | < | 306 | < | 1.3 | <u> </u> |
| | 6 | 27.9 | 7.5 | 8.6 | 1804.4 | 7.8 | < | 388 | < | 1.7 | |
| | 7 | 29.3 | 7.4 | 8.7 | | | < | 342 | < | 1.4 | |
| | 8 | 19.6 | 7.4 | 8.8 | | | - | | | | |
| | 9 | 19.9 | 7.6 | 8.9 | | | | | | | |
| | 10 | 28.3 | 7.4 | 8.2 | - | | | 551 | | 2.3 | |
| | 11 | 27.8 | 7.6 | 8.7 | 2157.52 | 9.3 | < | 387 | < | 1.7 | |
| | 12 | 26.9 | 7.4 | 8.5 | 2107.02 | 0.0 | | 397 | <u> </u> | 1.8 | |
| | 13 | 28.2 | 7.5 | 8.5 | 1965 | 8.4 | < | 361 | < | 1.5 | |
| | 14 | 28.7 | 7.5 | 8.2 | 1905 | 0.4 | | 383 | <u> </u> | 1.6 | |
| | 15 | 24.3 | 7.7 | 8.4 | | | | 303 | | 1.0 | |
| | 16 | 21.1 | 7.7 | 8.7 | | | | | | | |
| | 17 | 28.5 | 7.5 | 8.1 | | | < | 460 | < | 1.9 | |
| | 18 | 31.3 | 7.3 | 8.4 | 2873.18 | 11 | | 383 | | 1.5 | |
| | 19 | 29.8 | | 8.2 | 20/3.10 | 11 | < | | | | |
| | | | 7.4 | | 0400.04 | 0.0 | < | 348 | < | 1.4 | |
| | 20 | 26.4 | 7.3 | 8.1 | 2103.94 | 9.6 | | 463 | | 2.1 | |
| | 21 | 25.4 | 7.5 | 8.4 | | | < | 290 | < | 1.4 | |
| | 22 | 19.8 | 7.6 | 8.3 | | | | | | | ļ |
| | 23 | 19.5 | 7.5 | 8.6 | | | | 040 | | 4.4 | |
| | 24 | 26.7 | 7.2 | 8.2 | 4000.5 | | < | 319 | < | 1.4 | |
| | 25 | 24.2 | 7.2 | 8.0 | 1989.2 | 9.9 | < | 269 | < | 1.3 | |
| | 26 | 19.7 | 7.2 | 8.1 | 4 10 1 0 1 | | < | 346 | < | 2.1 | |
| | 27 | 20.2 | 7.2 | 8.0 | 1421.31 | 8.5 | < | 219 | < | 1.3 | |
| | 28 | 20.8 | 7.3 | 8.0 | | | < | 318 | < | 1.8 | |
| | 29 | 23.0 | 7.3 | 8.2 | | | | | | | |
| | 30 | 20.0 | 7.5 | 8.4 | | | | | | | |
| | | | | | | | | | | | |
| ONTHLY AVERAG | E | 24.6 | | 8.4 | 1999.5 | 8.9 | < | 357 | < | 1.6 | |
| IGHEST VALUE | | 31.3 | 7.8 | 9.1 | 2873.2 | 11 | | 551 | | 2.3 | |
| OWEST VALUE | | 19.5 | 7.2 | 8.0 | 1421.3 | 7.3 | < | 219 | < | 1.3 | |
| O. OF TIMES WEE | | | | | | | | | | | |
| FFL. LIMITATIONS | EXCEEDED | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | |
| OTAL FLOW | | 737.537 | Highligh | nted daily values are | e <loq &="">= LO[</loq> | D, and are not | quantifi | able. | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|--|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |

Joseph E. Hanning, Manager Environmental Control

Page 34 of 84



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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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FACILITY NAME AND ADDRESS:

1

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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Mail To: Indiana Dept. of Environmental Management

4

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | OUTFA | ALL NO. | IVI | J. YR. | | | | | |
|-----------------|------------------|--------------|--------------|--------|---------|--------|----------|------------|------------|
| EFFLUENT CHARA | ACTERISTICS | Nitrogen, An | nmonia Total | Lead | , Total | Zin | c, Total | Mercury | , Total |
| EFFLUENT PARAM | METER NUMBER | Q00610 | C00610 | Q01051 | C01051 | Q01094 | C01094 | Q71901 | C71901 |
| SAMPLE TYPE | Permit Condition | Comp | Comp | Comp | Comp | Comp | Comp | Grab | Grab |
| SAMPLE TYPE | Monitored | Comp | Comp | Comp | Comp | Comp | Comp | Grab | Grab |
| FREQUENCY | Permit Condition | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | Bi-monthly | Bi-monthly |
| FREQUENCY | Monitored | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 1/30 | 1/30 |
| FEELLIENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT | Permit Average | Report | Report | 2.52 | Report | Report | Report | Report | Report |
| LIMITATIONS | Permit Maximum | Report | Report | 5.85 | Report | Report | Report | Report | Report |
| UNIT | S | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | NG/L |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | | | | | | | | |
| | 4 | 7.83 | 0.034 | 0.048 | 0.00021 | 3.22 | 0.014 | | |
| | 5 | | | | | | | | |
| | 6 | 9.08 | 0.039 | 0.091 | 0.00039 | 3.73 | 0.016 | 0.00009 | 0.38 |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| | 11 | 9.05 | 0.039 | 0.081 | 0.00035 | 3.48 | 0.015 | | |
| | 12 | | | | | | | | |
| | 13 | 9.18 | 0.039 | 0.104 | 0.00044 | 3.29 | 0.014 | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | | | | | | | | |
| | 18 | 8.88 | 0.034 | 0.057 | 0.00022 | 2.87 | 0.011 | | |
| | 19 | | | | | | | | |
| | 20 | 12.12 | 0.055 | 0.075 | 0.00034 | 3.52 | 0.016 | | |
| | 21 | | | | | | | | |
| | 22 | | | | | | | | |
| | 23 | | | | | | | | |
| | 24 | | | | | | | | |
| | 25 | 9.90 | 0.049 | 0.042 | 0.00021 | 2.63 | 0.013 | | |
| | 26 | | | | | | | | |
| | 27 | 5.72 | 0.034 | 0.066 | 0.00039 | 2.35 | 0.014 | | |
| | 28 | | | | | | | | |
| | 29 | | | | | | | | |
| | 30 | | | | | | | | |
| | | | | _ | | | | | |
| MONTHLY AVERAGE | GE | 8.97 | 0.040 | 0.071 | 0.00032 | 3.14 | 0.014 | 0.00009 | 0.38 |
| HIGHEST VALUE | | 12.12 | 0.055 | 0.104 | 0.00044 | 3.73 | 0.016 | 0.00009 | 0.38 |

0.042

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

Joseph E. Hanning, Manager Environmental Control

0.00021

| r certify under perialty of law that this document and all attachments |
|--|
| were prepared under my direction or supervision in accordance with |
| a system designed to assure that qualified personnel properly gather |
| and evaluate the information submitted. Based on my inquiry of the |
| persons who manage the system, or those persons directly |
| responsible for gathering the information, the information submitted is, |
| to the best of my knowledge and belief, true, accurate, and complete. |
| I am aware that there are significant penalties for submitting false |
| information, including the possibility of fine and imprisonment for |
| knowing violations. |

5.72

0.034

LOWEST VALUE

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

0.011

0.00009

Page 35 of 84

0

0.38

0

Joseph E. Hanning 5/21/2017
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) DATE



Revision Pending Approval - September 2003

U.S. Steel Corporation One North Broadway Mail Sta. 70

Gary, IN 46402

FACILITY NAME AND ADDRESS:

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Indianapolis, Indiana 46206-6015

| | | | | | | | | | | | | _ | | | | |
|---|----|---|------|---------|------|---|---|-----|-------|-------|----|---|---|----|-----|---|
| 1 | N | Λ | 0 | Λ | 0 | 2 | Ω | 1 | 0 | 3 | 1 | | _ | 1 | 1 | |
| | IN | U | U | U | U | | 0 | - 1 | U | 3 | 4 | | U | 4 | ı | |
| | | | PERM | IUN TIN | MBER | | | | OUTFA | LL NC |). | | M | Ο. | YR. | _ |

| EFFLUENT CHARAC | TERISTICS | Chlorine, To | tal Residual | Phenoli | cs, Total | Tempe | rature, Final | Chromium, Total | | | |
|---|------------------|--------------|--------------|---------|-----------|-------|---------------|-----------------|--------|--|--|
| EFFLUENT PARAME | TER NUMBER | Q50060 | C50060 | Q00680 | C00680 | ***** | C00011 | Q01118 | C01118 | | |
| SAMPLE TYPE Permit Condition Monitored | | Grab | Grab | Comp | Comp | ***** | Grab-6 | Comp | Comp | | |
| | | Grab | Grab | Comp | Comp | ***** | Continuous | Comp | Comp | | |
| | Permit Condition | Daily | Daily | 1/7 | 1/7 | ***** | 2/7 | 2/ 7 | 2/ 7 | | |
| FREQUENCY | Monitored | Daily | Daily | 1/7 | 1/7 | ***** | Continuous | 2/ 7 | 2/ 7 | | |
| | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | | |
| EFFLUENT | Permit Average | 1.7 | 8 | 26.00 | Report | ***** | ***** | Report | Report | | |
| LIMITATIONS | Permit Maximum | 12.7 | 60 | 39.00 | Report | ***** | Report | Report | Report | | |
| UNITS | | LB/DAY | UG/L | LB/DAY | MG/L | | °F | LB/DAY | MG/L | | |
| ONTO | 1 | | | LD/D/(I | IVIO/L | | 62.9 | LD/D/(I | IVIO/L | | |
| | 2 | | _ | | | | 61.5 | | | | |
| | 3 | | < 20 | | | | 59.8 | | | | |
| | 4 | | | 0.81 | 0.0035 | | 64.8 | 1.11 | 0.0048 | | |
| | | | | 0.61 | 0.0035 | | | 1.11 | 0.0046 | | |
| | 5 | | | | | | 62.7 | 4.00 | 0.0047 | | |
| | 6 | | | | | | 61.8 | 1.09 | 0.0047 | | |
| | 7 | | | | | | 65.2 | | | | |
| | 8 | | < 20 | | | | 65.4 | | | | |
| | 9 | | | | | | 62.2 | | | | |
| | 10 | | | | | | 65.3 | | | | |
| | 11 | | | 2.16 | 0.0093 | | 65.3 | 1.30 | 0.0056 | | |
| | 12 | | | | | | 66.3 | | | | |
| | 13 | < 4.71 | < 20 | | | | 66.1 | 0.78 | 0.0033 | | |
| | 14 | < 4.79 | < 20 | | | | 69.5 | | | | |
| | 15 | < 4.06 | < 20 | | | | 69.2 | | | | |
| | 16 | < 3.52 | < 20 | | | | 65.9 | | | | |
| | 17 | < 4.76 | < 20 | | | | 66.7 | | | | |
| | 18 | < 5.22 | < 20 | 1.20 | 0.0046 | | 72.3 | 1.12 | 0.0043 | | |
| | 19 | < 4.97 | < 20 | | | | 70.5 | | | | |
| | 20 | < 4.41 | < 20 | | | | 71.0 | 0.84 | 0.0038 | | |
| | 21 | | | | | | 72.1 | | | | |
| | 22 | | | | | | 71.7 | | | | |
| | 23 | | < 20 | | | | 69.4 | | | | |
| | 24 | | | | | | 70.4 | | | | |
| | 25 | | | 1.51 | 0.0075 | | 74.8 | 0.91 | 0.0045 | | |
| | 26 | | < 20 | 1.51 | 0.0073 | | 70.0 | 0.91 | 0.0043 | | |
| - | 27 | | | | | | 68.5 | 0.87 | 0.0052 | | |
| - | 28 | | < 20 | | | | 69.7 | 0.07 | 0.0052 | | |
| | | | | | | | | | | | |
| | 29 | | | | | | 67.9 | | | | |
| | 30 | < 3.34 | < 20 | | | | 66.8 | | | | |
| MONTHLY AVERAGE | | 0.00 | 0.0 | 1.42 | 0.0062 | | 67.2 | 1.00 | 0.0045 | | |
| HIGHEST VALUE | | < 5.22 | < 20 | 2.16 | 0.0093 | | 74.8 | 1.30 | 0.0056 | | |
| LOWEST VALUE | | < 3.25 | < 20 | 0.81 | 0.0035 | | 59.8 | 0.78 | 0.0033 | | |
| NO. OF TIMES WEEK | KLY OR DAILY | | | | | | | | | | |
| EFFL. LIMITATIONS I | EXCEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

Page 36 of 84



Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402 PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To:

Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| 1 | N (| 0 0 | 0 0 | 2 8 | 1 | 0 | 3 4 | 0 | 4 1 | 7 | |
|--------------------------|-----------|-------------|----------|--------|--------|--------|------------------------|-------------|------------|--------|--------------|
| | | PERMIT | NUMBER | | | OUTFA | LL NO. | M | O. YR. | | |
| EFFLUENT CHARACTERISTICS | | | TS | | Coppe | | Cadn | nium, Total | Nickel, | | |
| EFFLU | ENT PARA | METER NUM | | Q00530 | C00530 | Q01119 | C01119 | Q01113 | C01113 | Q01074 | C01074 |
| SAM | IPLE TYPE | Permit Co | | Comp | Comp | Comp | Comp | Comp | Comp | Comp | Comp |
| | | Monitored | | Comp | Comp | Comp | Comp | Comp | Comp | Comp | Comp |
| FRE | EQUENCY | Permit Co | | 2/7 | 2/7 | 2/7 | 2/7 | 1/ 30 | 1/ 30 | 1/90 | 1/90 |
| | | Monitored | | 2/7 | 2/7 | 2/7 | 2/7 | 1/ 30 | 1/ 30 | 1/90 | 1/90 |
| EF | FLUENT | Permit Mi | | | | | | ***** | | | |
| | ITATIONS | Permit Av | _ | Report | Report | 3.8 | 0.018 | 2.3 | 0.011 | Report | Report |
| | | Permit Ma | aximum | Report | Report | 8.7 | 0.041 | 3.4 | 0.016 | Report | Report |
| | UN | IITS | | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L |
| | | | 1 | | | | | | | | <u> </u> |
| | | | 2 | | | | | | | | ļ |
| | | | 3 | | | | | | | | |
| | | | 4 | 921 | 4.0 | 1.31 | 0.0057 | < 0.016 | < 0.000070 | 1.11 | 0.004 |
| | | | 5 | | | | | | | | |
| | | | 6 | 1164 | 5.0 | 0.88 | 0.0038 | | | | |
| | | | 7 | | | | | | | | |
| | | | 8 | | | | | | | | ļ |
| | | | 9 | | | | | | | | ļ |
| | | | 10 | | | | | | | | ļ |
| | | | 11 | 1554 | 6.7 | 1.53 | 0.0066 | | | | |
| | | | 12 | | | | | | | | } |
| | | | 13 | 1318 | 5.6 | 1.20 | 0.0051 | | | | |
| | | | 14 | | | | | | | | } |
| | | | 15 | | | | | | | | } |
| | | | 16 | | | | | | | | } |
| | | | 17 | 4000 | 4.0 | 0.40 | 0.010 | | | | } |
| | | | 18 | 1280 | 4.9 | 3.13 | 0.012 | | | | } |
| | | | 19 | 0.47 | 4.0 | 4.50 | 0.0070 | | | | 1 |
| | | | 20 | 947 | 4.3 | 1.59 | 0.0072 | | | | 1 |
| | | | 21 22 | | | | | | | | 1 |
| | | | 23 | | | | | | | | 1 |
| | | | 23 | | | | | | | | |
| | | | 25 | 606 | 3.0 | 2.42 | 0.012 | | | | |
| | | | 25 26 | 606 | 3.0 | 2.42 | 0.012 | | | | |
| | | | 26 | 521 | 3.1 | 0.98 | 0.0058 | | | | |
| | | | 28 | 521 | 3.1 | 0.98 | 0.0058 | | | | |
| | | | 29 | | | | | | | | |
| | | | 30 | | | | | | | | |
| | | | 30 | | | | | | | | |
| MONTI | HLY AVER | AGE | | 1039 | 4.6 | 1.63 | 0.00728 | < 0.016 | < 0.000070 | 1.11 | 0.004 |
| | ST VALUE | | | 1554 | 6.7 | 3.13 | 0.00720 | | | 1.11 | 0.004 |
| | ST VALUE | | | 521 | 3.0 | 0.88 | 0.0038 | | | 1.11 | 0.004 |
| | | EEKLY OR DA | AILY | 021 | 0.0 | 0.50 | 0.0000 | 0.010 | 0.000070 | | 0.00 |
| | _ | NS EXCEEDE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | _ | J | - | - | e <loq &="">= LO</loq> | | | • | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Joseph E. Hanning | 5/21/2017 |

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

Page 37 of 84

DATE



Revision Pending Approval - September 2003

| | rtoviolori i oriali g rippio |
|----------------------------|------------------------------|
| FACILITY NAME AND ADDRESS: | |
| U.S. Steel Corporation | |
| | |
| One North Broadway | |
| Mail Sta. 70 | |
| Gary IN 46402 | |

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| I N O | 0 0 0 | 2 8 | 1 | 0 3 4 | 0 4 1 | 7 |
|------------------|--------------------------------|---------|--|---|-------------------------------------|-------------|
| <u> </u> | PERMIT NUMBER | 1 | <u>. </u> | OUTFALL NO. | MO. YR. | |
| EFFLUENT CHARA | CTERISTICS | Silver | , Total | | | |
| EFFLUENT PARAM | ETER NUMBER | Q01079 | C01079 | | | |
| SAMPLE TYPE | Permit Condition | Comp | Comp | | | |
| SAIVIPLE I TPE | Monitored | Comp | Comp | | | |
| FREQUENCY | Permit Condition | 2/ 30 | 2/ 30 | | | |
| FREQUENCY | Monitored | 2/ 30 | 2/ 30 | | | |
| EFFLUENT | Permit Minimum | ***** | ***** | | | |
| LIMITATIONS | Permit Average | 0.042 | 0.2 | | | |
| LIMITATIONS | Permit Maximum | 0.072 | 0.34 | | | |
| UNIT | S | LB/DAY | UG/L | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 3 | | | | | |
| | 4 | | < 0.070 | | | |
| | 5 | | | | | |
| | 6 | | | | | |
| | 7 | | | | | |
| | 8 | | | | | |
| | 9 | | | | | |
| | 10 | | | | | |
| | 11 | < 0.016 | < 0.070 | | | |
| | 12 | | | | | |
| | 13 | | | | | |
| | 14 | | | | | |
| | 15 | | | | | |
| | 16 | | | | | |
| | 17 | | | | | |
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| | 20 | | | | | |
| | 21 | | | | | |
| | 22 | | | | | |
| | 23 | | | | | |
| | 24 | | | | ++ | |
| | 25 | | <u> </u> | | + + + | |
| | 26 27 | | <u> </u> | | + + + | |
| | 28 | | | | + + | |
| | 28 | | | | + + + | |
| | 30 | | | | + + + | |
| | 30 | | | | + + + | |
| MONTHLY AVERAGE | SE . | 0.00 | 0.0 | | <u> </u> | |
| HIGHEST VALUE | | < 0.016 | | | + + + | |
| LOWEST VALUE | | < 0.016 | | | | |
| NO. OF TIMES WEE | KLY OR DAILY | 0.010 | 0.070 | | | |
| | EFFL. LIMITATIONS EXCEEDED 0 0 | | | | | |
| | Averages are LOQ bas | | | ıI ıhlighted daily values are <l td="" ∩∩<=""><td>& >= LOD, and are not quantifiable.</td><td></td></l> | & >= LOD, and are not quantifiable. | |
| | f law that this document an | | | , , ,, , | , | |
| | y direction or supervision in | | | | | |
| | ssure that qualified person | | | Ma | ark Henry | 5/21/2017 |

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| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Joseph E. Hanning | E/21/2017 |

Joseph E. Hanning 5/21/2017

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

DATE

Joseph E. Hanning, Manager Environmental Control

Page 38 of 84



Revision Pending Approval - September 2003

OUTFALL NO.

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

PERMIT NUMBER

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARA | FLOW | pН | Oil & | Grease | Chlorine, To | otal Residual | Temperat | ture, 2PS Intake | |
|-------------------------|------------------|--------|-------|--------|--------------|---------------|----------|------------------|------------|
| EFFLUENT PARAMI | Q50050 | C00400 | | C00552 | Q50060 | C50060 | ***** | C00011 | |
| CAMPLE TYPE | Permit Condition | RCOTOT | Grab | | Grab | Grab | Grab | ***** | Continuous |
| SAMPLE TYPE | Monitored | RCOTOT | Grab | | Grab | | | ***** | Continuous |
| EDECHENOY | Permit Condition | Daily | 1/ 30 | | 1/7 | Daily | Daily | ***** | 1X hour |
| FREQUENCY | Monitored | Daily | 1/ 30 | | 1/7 | | | ***** | 1X hour |
| FEELLIENT | Permit Minimum | ***** | 6 | | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT LIMITATIONS | Permit Average | Report | ***** | | ***** | 10 | 8 | ***** | ***** |
| LIMITATIONS | Permit Maximum | Report | 9 | | Report | 78.5 | 60 | ***** | REPORT |
| | UNITS = | MGD | S.U. | | MG/L | LB/DAY | UG/L | | °F |
| | 1 | 147.99 | | | | | | | 51 |
| | 2 | 147.85 | | | | | | | 52 |
| | 3 | 146.81 | 7.1 | | < 1.3 | | | | 49 |
| | 4 | 147.31 | | | | | | | 49 |
| | 5 | 148.57 | | | | | | | 55 |
| | 6 | 149.66 | | | | | | | 56 |
| | 7 | 147.60 | | | | | | | 54 |
| | 8 | 146.12 | | | | | | | 51 |
| | 9 | 146.84 | | | | | | | 51 |
| | 10 | 147.34 | | | < 1.3 | | | | 52 |
| | 11 | 146.97 | | | | | | | 52 |
| | 12 | 146.61 | | | | | | | 48 |
| | 13 | 146.81 | | | | | | | 48 |
| | 14 | 146.98 | | | | | | | 47 |
| | 15 | 146.74 | | | | | | | 46 |
| | 16 | 148.27 | | | | | | | 47 |
| | 17 | 148.13 | | | < 1.3 | | | | 50 |
| | 18 | 146.84 | | | | | | | 49 |
| | 19 | 147.03 | | | | | | | 50 |
| | 20 | 147.16 | | | | | | | 50 |
| | 21 | 147.67 | | | | | | | 51 |
| | 22 | 147.26 | | | | | | | 52 |
| | 23 | 147.15 | | | | | | | 52 |
| | 24 | 147.20 | | | 1.8 | | | | 52 |
| | 25 | 147.27 | | | | | | | 52 |
| | 26 | 147.08 | | | | | | | 50 |
| | 27 | 147.55 | | | | | | | 50 |
| | 28 | 147.38 | | | | | | | 50 |
| | 29 | | | | | | | | 53 |
| | 30 | 147.86 | | | | | | | 51 |
| | | | | | | | | | |
| | | | | | | | | | |

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147.42

149.66

146.12

4422.524

7.1

7.1

MONTHLY AVERAGE

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

HIGHEST VALUE

LOWEST VALUE

TOTAL FLOW

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

NA

NA

NA

NA

NA

NA

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable

1.4

1.8

1.3

Page 39 of 84

5/21/2017

56



Gary, IN 46402

Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

| Revision Pend | ling Approval - September 2003 | |
|----------------------------|--------------------------------|---|
| FACILITY NAME AND ADDRESS: | PLEASE COM | IPLETE AND SUBMIT ONE COPY EACH MONTH. |
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| U.S. Steel Corporation | 28TH OF THE | E FOLLOWING MONTH. |
| One North Broadway | | |
| Mail Sta. 70 | Mail To: | Indiana Dept. of Environmental Management |

| | | | | | | | | | | | | | | Indiana | oolis, Ind | liana 46 | 206-601 | 5 |
|---|---|---|------|---------|------|---|---|---|---|------|--------|----|---|---------|------------|----------|---------|---|
| I | N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | | 0 | 3 | 5 | 1 | 0 | 4 | 1 | 7 | 1 |
| | | | PERN | IUN TIN | MBER | - | - | - | • | OUTF | ALL NO |). | - | M | O. | Υ | R. | • |

| EFFLUENT PARAMETER NUMBER C71901 C00011 C0011 EFFLUENT CHARACTERISTICS | | Thermal | Discharge | Temperat | ıre, Discharge | | | | |
|--|--------------------------|---------------|---------|-----------|----------------|--------------------------|---------------|------------------|------|--|
| SAMPLE TYPE | FFLUENT PARAMETER | NUMBER | | | | | | | | |
| SAMPLE TYPE Monitored ********* RCOTOT ********************************* | Dave | | ***** | | ***** | | | | | |
| Monitored Permit Minimum Permit Maximum Monitored Monitored Permit Maxim | Mon | itored | ***** | RCOTOT | ***** | Continuous | | | | |
| Nonitored Permit Minimum Permit Maximum Nonitored Nonitored Nonitored Permit Maximum Nonitored Permit Maximum Nonitored Permit Maximum Nonitored Non | EDECLIENCY Perr | mit Condition | ***** | Daily | ***** | 1X hour | | | | |
| Permit Average Perm | Mon | itored | ***** | Daily | ***** | 1X hour | | | | |
| Permit Average | Perr | mit Minimum | ***** | ***** | ***** | ***** | | | | |
| NITS BTU/HR F F F F F F F F F | IPΔrr | mit Average | ***** | Report | ***** | ***** | | | | |
| UNITS BTU/HR 0F | | | ***** | 1.211 | ***** | Report | | | | |
| 2 0.540 60 3 0.772 62 4 0.737 62 5 0.702 63 6 0.701 62 7 0.849 65 8 0.852 64 9 0.835 64 10 0.663 61 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | UNITS | | | | | | | | | |
| 3 0.772 62 62 62 63 62 62 63 65 62 64 65 65 65 65 65 65 65 65 65 65 65 65 65 | | 1 | | | | 57 | | | | |
| 3 0.772 62 62 63 62 63 62 63 65 65 65 65 65 65 65 65 65 65 65 65 65 | | 2 | | 0.540 | | 60 | | | | |
| 4 0.737 62 5 0.702 63 6 0.701 62 7 0.849 65 8 0.852 64 9 0.835 64 10 0.663 61 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | | 0.772 | | 62 | | | | |
| 5 0.702 63 6 0.701 62 7 0.849 65 8 0.852 64 9 0.835 64 10 0.663 61 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | 4 | | | | | | | | |
| 7 0.849 65 8 0.852 64 9 0.835 64 10 0.663 61 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | 5 | | 0.702 | | 63 | | | | |
| 8 0.852 64 9 0.835 64 10 0.663 61 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | 6 | | 0.701 | | 62 | | | | |
| 8 0.852 64 9 0.835 64 10 0.663 61 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | 7 | | 0.849 | | 65 | | | | |
| 9 0.835 64 10 0.663 61 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.801 72 | | 8 | | | | | | | | |
| 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | 9 | | 0.835 | | | | | | |
| 11 0.700 62 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | 0.663 | | 61 | | | | | |
| 12 0.835 67 13 0.872 69 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | 0.700 | | 62 | | | | | |
| 14 0.875 68 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | | | | | | | | |
| 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | | | | | | | | |
| 15 0.815 67 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | 0.875 | | 68 | | | | | |
| 16 0.756 66 17 0.770 68 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | | | | | | | | |
| 18 0.745 67 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | | | | | | | | | |
| 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | 17 | | 0.770 | | 68 | | | | |
| 19 0.803 69 20 0.791 70 21 0.804 71 22 0.797 71 23 0.801 72 | | 18 | | 0.745 | | 67 | | | | |
| 21 0.804 71 22 0.797 71 23 0.801 72 | | | | 0.803 | | | | | | |
| 22 0.797 71 23 0.801 72 | | 20 | | 0.791 | | 70 | | | | |
| 23 0.801 72 | | 21 | | 0.804 | | 71 | | | | |
| 23 0.801 72 | | 22 | | 0.797 | | 71 | | | | |
| | | 23 | | 0.801 | | | | | | |
| 24 0.819 71 | | 24 | | 0.819 | | 71 | | | | |
| 25 0.807 72 | | 25 | | 0.807 | | 72 | | | | |
| 26 0.812 70 | | | 0.812 | | | | | | | |
| 27 0.806 69 | | | 0.806 | | | | | | | |
| 28 0.797 70 | | | 0.797 | | | | | | | |
| 29 0.816 73 | - | | 0.816 | | 73 | | | | | |
| 30 0.817 71 | | | | | | | | | | |
| | - | | | | | | | | | |
| MONTHLY AVERAGE 0.774 | ONTHLY AVERAGE | | | 0.774 | | | | | | |
| HIGHEST VALUE 0.875 73 | | | | 0.875 | | 73 | | | | |
| LOWEST VALUE 0.534 | | | | | | | | | | |
| NO. OF TIMES WEEKLY OR DAILY | O. OF TIMES WEEKLY | OR DAILY | | | | | | | | |
| EFFL. LIMITATIONS EXCEEDED 0 0 | | | 0 | | 0 | | | | | |
| Highlighted daily values are <loq &="">= LOD, and are not quantifiable.</loq> | | | - | Highlig | hted daily val | ues are <loq &=""></loq> | = LOD, and ar | e not quantifiat | ole. | |

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| | |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

Page 40 of 84

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Office of Water Quality / Data Management Section

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P.O. Box 6015

Indianapolis, Indiana 46206-6015

| ı | N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 3 | 7 | 0 | 4 | 1 | |
|---|---|---|------|---------|------|---|---|---|------|--------|----|-------|----|----|---|
| | | | PERM | NIT NUI | MBER | | | | OUTF | ALL NO |). | M | U. | YI | ۲ |

| EFFLUENT CHARACTERISTICS | | FLOW | pН | Oil & C | Grease | Zinc | , Total | Phenol | ics, Total | |
|--------------------------|------------------|----------|---------|------------------|---|---------------|--------------------|--------|------------|--|
| EFFLUENT PARAME | TER NUMBER | Q50050 | C00400 | | C00552 | Q01094 | C01094 | Q00680 | C00680 | |
| SAMPLE TYPE | Permit Condition | Estimate | Grab | | Grab | Comp | Comp | Comp | Comp | |
| SAMI LE TITE | Monitored | Estimate | Grab | | Grab | Comp | Comp | Comp | Comp | |
| FREQUENCY | Permit Condition | 1/7 | 1/ 30 | | 1/7 | 1/ 30 | 1/ 30 | 1/ 30 | 1/ 30 | |
| FREQUENCT | Monitored | 4/ 30 | 1/ 30 | | 1/7 | 1/ 30 | 1/ 30 | 1/ 30 | 1/ 30 | |
| EFFLUENT | Permit Minimum | ***** | 6 | | ***** | ***** | ***** | ***** | ***** | |
| LIMITATIONS | Permit Average | Report | ***** | | ***** | ***** | ***** | ***** | ***** | |
| LIMITATIONO | Permit Maximum | Report | 9 | | Report | Report | Report | Report | Report | |
| | UNITS = | MGD | S.U. | | MG/L | LB/DAY | MG/L | LB/DAY | MG/L | |
| | 1 | | | | | | | | | |
| | 2 | | | | | | | | | |
| | 3 | 3.0 | 7.6 | | 1.5 | 0.325 | 0.013 | < 0.05 | < 0.0020 | |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | • | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | 3.0 | | | < 1.3 | | | | | |
| | 11 | | | | | | | | | |
| | 12 | | | | | | | | | |
| 13 | | | | | | | | | | |
| | 14 | | | | | | | | | |
| | 15 | | | | | | | | | |
| | 16 | | | | | | | | | |
| | 17 | 3.0 | | | < 1.3 | | | | | |
| | 18 | | | | | | | | | |
| | 19 | | | | | | | | | |
| | 20 | | | | | | | | | |
| | 21 | | | | | | | | | |
| | 22 | | | | | | | | | |
| | 23 | | | | | | | | | |
| | 24 | | | | < 1.3 | | | | | |
| | 25 | | | | | | | | | |
| | 26 | | | | | | | | | |
| | 27 | | | | | | | | | |
| | 28 | | | | | | | | | |
| | 29 | | | | | | | | | |
| | 30 | | | | | | | | | |
| | | | | | | | | | | |
| MONTHLY AVERAGE | | 3.0 | | | < 1.4 | 0.33 | 0.013 | < 0.05 | < 0.0020 | |
| HIGHEST VALUE | | 3.0 | 7.6 | | 1.5 | 0.33 | 0.013 | < 0.05 | < 0.0020 | |
| LOWEST VALUE | | 3.0 | 7.6 | | < 1.3 | 0.33 | 0.013 | < 0.05 | < 0.0020 | |
| NO. OF TIMES WEEK | KLY OR DAILY | | | | | 2.00 | 5.5.0 | | | |
| EFFL. LIMITATIONS | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| TOTAL FLOW | | 90.0 | Highlia | hted daily value | es are <loq &<="" td=""><td>>= LOD, and a</td><td>are not quantifial</td><td>ole.</td><td>-</td></loq> | >= LOD, and a | are not quantifial | ole. | - | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|--|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |
| (CICNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |

Joseph E. Hanning, Manager Environmental Control

Page 41 of 84



Revision Pending Approval - September 2003

| U.S. Steel Corporation |
|------------------------|
| One North Broadway |
| Mail Sta. 70 |
| Gary, IN 46402 |

FACILITY NAME AND ADDRESS:

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| I | N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 3 | 7 | | 0 | 4 | 1 | 7 |
|---|---|---|---|---------|------|---|---|---|-------|---|---|---|---|---|----|---|
| | | | | IUN TIN | MBER | | | | OUTFA | | | - | М | | YF | |

| EFFLUENT CHARACTERISTICS | | Chlorine, Total Residual | | | Temperature, Intake | | re, Discharge | Thermal Discharge | | |
|--------------------------|------------------|--------------------------|--------|----------------------|---------------------|----------|---------------|-------------------|--------|--|
| EFFLUENT PARAME | TER NUMBER | Q50060 | C50060 | ***** | C00011 | ***** | C00011 | ***** | C00015 | |
| SAMPLE TYPE | Permit Condition | Grab | Grab | ***** | Continuous | ***** | Continuous | ***** | RCOTOT | |
| SAIVIPLE I TPE | Monitored | | | ***** | Continuous | ***** | Continuous | ***** | RCOTOT | |
| FREQUENCY | Permit Condition | Daily | Daily | ***** | 1X Hour | ***** | 1X Hour | ***** | Daily | |
| FREQUENCT | Monitored | | | ***** | 1X Hour | ***** | 1X Hour | ***** | Daily | |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |
| LIMITATIONS | Permit Average | 0.2 | 8 | ***** | ***** | ***** | ***** | ***** | ***** | |
| LIMITATIONO | Permit Maximum | 1.5 | 60 | ***** | Report | ***** | Report | ***** | Report | |
| UNITS | 3 | LB/DAY | UG/L | | °F | | °F | | BTU/HR | |
| | 1 | | | | 43 | | 55 | | 0.534 | |
| | 2 | | | | 43 | | 53 | | 0.540 | |
| | 3 | | | | 43 | | 54 | | 0.772 | |
| | 4 | | | | 43 | | 57 | | 0.737 | |
| | 5 | | | | 44 | | 54 | | 0.702 | |
| | 6 | | | | 44 | | 58 | | 0.701 | |
| | 7 | | | | 44 | | 56 | | 0.849 | |
| | 8 | | | | 44 | | 60 | | 0.852 | |
| | 9 | | | | 46 | | 58 | | 0.835 | |
| | 10 | | | | 45 | | 59 | | 0.663 | |
| | 11 | | | | 46 | | 59 | | 0.700 | |
| | 12 | | | | 47 | | 58 | | 0.835 | |
| | 13 | | | | 47 | | 59 | | 0.872 | |
| | 14 | | | | 46 | | 63 | | 0.875 | |
| | 15 | | | | 47 | | 61 | | 0.815 | |
| | 16 | | | | 48 | | 60 | | 0.756 | |
| | 17 | | | | 48 | | 60 | | 0.770 | |
| | 18 | | | | 50 | | 66 | | 0.745 | |
| | 19 | | | | 50 | | 61 | | 0.803 | |
| | 20 | | | | 51 | | 64 | | 0.791 | |
| | 21 | | | | 53 | | 69 | | 0.804 | |
| | 22 | | | | 53 | | 71 | | 0.797 | |
| | 23 | | | | 52 | | 62 | | 0.801 | |
| | 24 | | | | 53 | | 63 | | 0.819 | |
| | 25 | | | | 53 | | 63 | | 0.807 | |
| | 26 | | | | 50 | | 65 | | 0.812 | |
| | 27 | | | | 50 | | 65 | | 0.806 | |
| | 28 | | | | 50 | | 62 | | 0.797 | |
| | 29 | | | | 52 | | 63 | | 0.816 | |
| | 30 | | | | 52 | | 64 | | 0.817 | |
| MONTHLY AVERAG | E | NA | NA | | | | | | 0.774 | |
| HIGHEST VALUE | | NA | NA | | 53 | | 71 | | 0.875 | |
| LOWEST VALUE | | NA | NA | | | | | | 0.534 | |
| NO. OF TIMES WEE | | | | | | | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | I Cala Calata al ala | 0 | 100 0 10 | 0 | 4:f: _ _ _ | 0 | |

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |

5/21/2017 Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

Page 42 of 84



MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

OUTFALL NO.

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

8

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

PERMIT NUMBER

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Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

MΩ

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARACTERISTICS | | FLOW | pН | Oil & | Grease | Chlorine, To | tal Residual | | ture, Intake |
|--------------------------|------------------|------------|--------|-------|--------|--------------|--------------|-------|--------------|
| EFFLUENT PARAME | ETER NUMBER | Q50050 | C00400 | | C00552 | Q50060 | C50060 | ***** | C00011 |
| SAMPLE TYPE | Permit Condition | Continuous | Grab | | Grab | Grab | Grab | ***** | Continuous |
| SAMPLE TYPE | Monitored | Continuous | Grab | | Grab | | | ***** | Continuous |
| EDEOUENOV | Permit Condition | Continuous | 1/ 30 | | 1/7 | Daily | Daily | ***** | 1X Hour |
| FREQUENCY | Monitored | Continuous | 1/ 30 | | 1/7 | | | ***** | 1X Hour |
| FFFLLENT | Permit Minimum | ***** | 6 | | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT LIMITATIONS | Permit Average | Report | ***** | | ***** | 3.7 | 8 | ***** | ***** |
| LIMITATIONS | Permit Maximum | Report | 9 | | Report | 8.3 | 60 | ***** | Report |
| | UNITS = | MGD | S.U. | | MG/L | LB/DAY | UG/L | | °F |
| | 1 | 29.9 | | | | | | | 43 |
| | 2 | 30.1 | | | | | | | 43 |
| | 3 | 30.3 | 7.4 | | < 1.3 | | | | 43 |
| | 4 | 29.7 | | | | | | | 43 |
| | 5 | 30.7 | | | | | | | 44 |
| | 6 | | | | | | | | 44 |
| | 7 | 30.7 | | | | | | | 44 |
| | 8 | 30.7 | | | | | | | 44 |
| | 9 | 30.7 | | | | | | | 46 |
| | 10 | 30.2 | | | < 1.3 | | | | 45 |
| | 11 | 31.5 | | | | | | | 46 |
| | 12 | 31.5 | | | | | | | 47 |
| | 13 | 31.5 | | | | | | | 47 |
| | 14 | 31.3 | | | | | | | 46 |
| | 15 | 31.5 | | | | | | | 47 |
| | 16 | 31.6 | | | | | | | 48 |
| | 17 | 31.6 | | | < 1.3 | | | | 48 |
| | 18 | 31.0 | | | | | | | 50 |
| | 19 | 31.4 | | | | | | | 50 |
| | 20 | 31.4 | | | | | | | 51 |
| <u> </u> | 21 | 31.1 | | | | | | | 53 |
| | 22 | 31.0 | | | | | | | 53 |
| | 23 | 31.1 | | | | | | | 52 |
| · | 24 | 31.1 | | | < 1.3 | | | | 53 |
| | 25 | 31.0 | | | | | | | 53 |
| · | 26 | 31.3 | | | | | | | 50 |
| | 27 | 31.3 | | | | | | | 50 |
| | 28 | 31.3 | | | | | | | 50 |
| | 29 | 32.5 | | | | | | | 52 |
| · | 30 | 31.8 | | | | | | | 52 |
| | | | | | | | | | |
| MONTHLY AVERAG | Ε | 31.1 | | | < 1.3 | NA | NA | | |
| HIGHEST VALUE | | 32.5 | 7.4 | | < 1.3 | NA | NA | | 53 |
| | | | | | | | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

29.7

0

933.5

7.4

LOWEST VALUE

TOTAL FLOW

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

NA

Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable

NA

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

1.3

Page 43 of 84



Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| I N O | 0 0 0 PERMIT NUMBER | 2 8 | 1 | 0 OUTEA | 3 9 LL NO. | 0 4 1 MO. | T 7 YR. |
|---------------------|---------------------|------------|--------------|------------|----------------|---------------------------|---------|
| EFFLUENT CHARACT | | Temperatur | e, Discharge | | Discharge | IVIO. | |
| EFFLUENT PARAMET | | ***** | C00011 | ***** | C00015 | | |
| T _C | Permit Condition | ***** | Continuous | ***** | RCOTOT | | |
| I SAMPLE LYPE E | Monitored | ***** | Continuous | ***** | RCOTOT | | |
| | Permit Condition | ***** | 1X Hour | ***** | Daily | | |
| FREQUENCY - | Monitored | ***** | 1X Hour | ***** | Daily | | |
| | Permit Minimum | ***** | ***** | ***** | ***** | | |
| EFFLUENI | Permit Average | ***** | ***** | ***** | ***** | | |
| | Permit Maximum | ***** | Report | ***** | Report | | |
| UNITS | CITIIL WAXIITIUITI | | °F | | BTU/HR | | |
| ONITS | 1 | | 52 | | 0.534 | | |
| | 2 | | 51 | | 0.540 | | |
| | 3 | | 51 | | 0.540 | | + + |
| | 4 | | 51 | | 0.772 | | + + |
| | 5 | | 52 | | 0.737 | | + + |
| | 6 | | 51 | | 0.702 | | + + |
| | 7 | | 50 | | 0.701 | | + + |
| | 8 | | 50 | | 0.852 | | |
| | 9 | | 50 | | 0.835 | | |
| | | | 52 | | | | |
| | 10 11 | | 52 | | 0.663 0.700 | | |
| | 12 | | | | 0.700 | | |
| | 13 | | 55 55 | | 0.872 | | |
| | | | | | | | |
| | 14 | | 55 55 | | 0.875 | | |
| | 15 | | 55 56 | | 0.815 0.756 | | |
| | 16 | | | | | | |
| | 17 | | 56 | | 0.770 | | |
| | 18 | | 57 57 | | 0.745 | | |
| | 19 | | 57 59 | | 0.803 | | |
| | 20 | | | | 0.791 | | |
| | 21 | | 61 | | 0.804 | | |
| | 22 | | 61 | | 0.797 | | + |
| | 23 | | 60 | | 0.801 | | + |
| | 24 | | 60 | | 0.819 | | + |
| | 25 | | 61 | | 0.807 | | + |
| | 26 | | 58 | | 0.812 | | + |
| | 27 | | 58 | | 0.806 | | |
| | 28 | | 58 | | 0.797 | | |
| | 29 | | 58 | | 0.816 | | + |
| | 30 | | 60 | | 0.817 | | 1 |
| MONITHUM AVERAGE | | | | | 0.77 | | |
| MONTHLY AVERAGE | | | 0.1 | | 0.774 | | |
| HIGHEST VALUE | | | 61 | | 0.875 | | |
| LOWEST VALUE | LV OD DAILV | | | | 0.534 | | |
| NO. OF TIMES WEEK | | | | | | | |
| EFFL. LIMITATIONS E | XCEEDED | | 0 | | 0 | >= LOD, and are not quant | |

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|-----------------------------------|-------------------|
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| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |

Joseph E. Hanning (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

Page 44 of 84

5/21/2017



MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARACTERISTICS | | FLOW | pН | Oil & Grease | Zinc, | Total | Chlorine, Total | Residual |
|--------------------------|----------------|----------|---------------------|---------------------------|--------------------|--|--------------------|----------------|
| FFLUENT PARAMETER | R NUMBER | Q50050 | C00400 | C00552 | Q01094 | C01094 | Q50060 | C50060 |
| SAMPLE TYPE Per | rmit Condition | Estimate | Grab | Grab | Grab | Grab | Grab | Grab |
| Mo | nitored | | | | | | | |
| Per Per | rmit Condition | 1/ 30 | 1/ 30 | 1/ 30 | 2/ 30 | 2/ 30 | Daily | Daily |
| FREQUENCY Mo | nitored | | | | | | | |
| EFFLUENT Per | rmit Minimum | ***** | 6 | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | rmit Average | Report | ***** | Report | Report | Report | 0.0057 | 8 |
| Pei | rmit Maximum | Report | 9 | Report | Report | Report | 0.043 | 60 |
| | UNITS = | MGD | S.U. | MG/L | LB/DAY | UG/L | LB/DAY | UG/L |
| | 1 | | | | | | | |
| | 2 | | | | | | | |
| | 3 | | | | | | | |
| | 4 | | | | | | | |
| | 5 | | | No Discharge th | is Monitoring Po | eriod | | |
| | 6 | | | | | | | |
| | 7 | | | | | | | |
| | 8 | | | | | | | |
| | 9 | | | | | | | |
| | 10 | | | | | | | |
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| | 24 | | | | | | | |
| | 25 | | | | | | | |
| | 26 | | | | | | | |
| | 27 | | | | | | | |
| | 28 | | | | | | | |
| | 29 | | | | | | | |
| | 30 | | | | | | | |
| ONTHLY AVERAGE | | NA | | NA | NA | NA | NA | N |
| IGHEST VALUE | | NA | NA | NA | NA | NA | NA | N |
| OWEST VALUE | | NA | NA | NA | NA | NA | NA | N |
| O. OF TIMES WEEKLY | OR DAILY | | | | | | | |
| FFL. LIMITATIONS EXC | CEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTAL FLOW | | 0.00 | Highlighted Monthly | Averages are LOQ based ca | Iculations Highlig | hted values <i o<="" td=""><td>Q & >= I OD are no</td><td>t quantifiable</td></i> | Q & >= I OD are no | t quantifiable |

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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|-----------------------------------|-------------------|
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| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph F. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

Page 45 of 84



MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

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Office of Water Quality / Data Management Section

P.O. Box 6015

В

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARACTERISTICS | | FLOW | pН | Oil & Grease | Zinc, | Total | Chlorine, Total | Residual |
|--------------------------|---------------|----------|---------------------|---------------------------|---------------------|--|-------------------|-----------------|
| EFFLUENT PARAMETER | R NUMBER | Q50050 | C00400 | C00552 | Q01094 | C01094 | Q50060 | C50060 |
| SAMPLE TYPE Per | mit Condition | Estimate | Grab | Grab | Grab | Grab | Grab | Grab |
| Monitored | nitored | Estimate | Grab | Grab | Grab | Grab | | |
| FREQUENCY Per | mit Condition | 1/ 30 | 1/ 30 | 1/ 30 | 2/ 30 | 2/ 30 | Daily | Daily |
| Mo | nitored | 2/ 30 | 1/ 30 | 1/ 30 | 2/ 30 | 2/ 30 | | |
| EFFLUENT Per | mit Minimum | ***** | 6 | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | mit Average | Report | ***** | Report | 0.00 | 0.00 | 0.0057 | 8 |
| Pei | mit Maximum | Report | 9 | Report | 0.00 | 0.00 | 0.043 | 60 |
| | UNITS = | MGD | S.U. | MG/L | LB/DAY | UG/L | LB/DAY | UG/L |
| | 1 | | | | | | | |
| | 2 | | | | | | | |
| | 3 | 0.043 | 8.2 | < 1.3 | 0.009 | 26 | | |
| | 4 | | | | | | | |
| | 5 | | | | | | | |
| | 6 | | | | | | | |
| | 7 | | | | | | | |
| | 8 | | | | | | | |
| | 9 | | | | | | | |
| | 10 | 0.043 | | | 0.086 | 240 | | |
| | 11 | | | | | | | |
| | 12 | | | | | | | |
| | 13 | | | | | | | |
| | 14 | | | | | | | |
| | 15 | | | | | | | |
| | 16 | | | | | | | |
| | 17 | | | | | | | |
| | 18 | | | | | | | |
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| | 24 | | | | | | | |
| | 25 | | | | | | | |
| | 26 | | | | | | | |
| | 27 | | | | | | | |
| | 28 | | | | | | | |
| | 29 | | | | | | | |
| | 30 | | | | | | | |
| MONTHLY AVERAGE | | 0.043 | | < 1.3 | 0.048 | 133 | NA | N |
| HIGHEST VALUE | | 0.043 | 8.2 | < 1.3 | 0.086 | 240 | NA | N |
| OWEST VALUE | | 0.043 | 8.2 | < 1.3 | 0.009 | 26 | NA | N |
| NO. OF TIMES WEEKLY | OR DAILY | | | | | | | |
| FFL. LIMITATIONS EXC | CEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTAL FLOW | | 1.29 | Highlighted Monthly | Averages are LOQ based ca | culations, Highligh | nted values <lo< td=""><td>Q & >= LOD are no</td><td>ot quantifiable</td></lo<> | Q & >= LOD are no | ot quantifiable |

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

DATE

Page 46 of 84



MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARACTERISTICS EFFLUENT PARAMETER NUMBER | | FLOW | Oil & Grease | Zinc, | Total | Chlorine, Total Resid | | |
|--|----------------|------------------|--------------------------------|-----------------------|------------------|-----------------------|---------------|--|
| | | Q50050 | C0055 | 2 Q01094 | C01094 | Q50060 | C50060 | |
| SAMPLE TYPE Per | rmit Condition | Estimate | Grab | Grab | Grab | Grab | Grab | |
| Mo | nitored | Estimate | Grab | Grab | Grab | | | |
| FREQUENCY Per | rmit Condition | 1/ 30 | 1/ 3 | 30 2/ 30 | 2/ 30 | Daily | Daily | |
| Mo | nitored | 2/ 30 | | 30 2/ 30 | 2/ 30 | | | |
| EFFLUENT Per | rmit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | |
| LIMITATIONS | rmit Average | Report | Repor | 0.00 | 0.00 | 0.0057 | 8 | |
| Pe | rmit Maximum | Report | Repor | 0.00 | 0.00 | 0.043 | 60 | |
| | UNITS = | MGD | MG/L | LB/DAY | UG/L | LB/DAY | UG/L | |
| | 1 | | | | | | | |
| | 2 | | | | | | | |
| | 3 | 0.043 | < 1 | .3 0.009 | 26 | | | |
| | 4 | | | | | | · | |
| | 5 | | | | | | · | |
| | 6 | | | | | | | |
| | 7 | | | | | | | |
| | 8 | | | | | | | |
| | 9 | | | | | | | |
| | 10 | 0.043 | | 0.086 | 240 | | | |
| | 11 | | | | | | | |
| | 12 | | | | | | | |
| | 13 | | | | | | | |
| | 14 | | | | | | | |
| | 15 | | | | | | | |
| | 16 | | | | | | | |
| | 17 | | | | | | | |
| | 18 | | | | | | | |
| | 19 | | | | | | | |
| | 20 | | | | | | | |
| | 21 | | | | | | | |
| | 22 | | | | | | | |
| | 23 | | | | | | | |
| | 24 | | | | | | | |
| | 25 | | | | | | | |
| | 26 | | | | | | | |
| | 27 | | | | | | | |
| | 28 | | | | | | | |
| | 29 | | | | | | | |
| | 30 | | | | | | | |
| MONTHLY AVERAGE | | 0.043 | < 1 | .3 0.048 | 133 | NA | N | |
| IIGHEST VALUE | | 0.043 | < 1 | .3 0.086 | 240 | NA | N | |
| OWEST VALUE | | 0.043 | < 1 | .3 0.009 | 26 | NA | N | |
| IO. OF TIMES WEEKLY | OR DAILY | | | | | | | |
| FFL. LIMITATIONS EX | | 0 | 0 | 0 | 0 | 0 | 0 | |
| OTAL FLOW | | 1.29 Highlighted | Monthly Averages are LOQ based | Lealculations Highlig | hted values <1 0 | 0 & >= 1 OD are no | t quantifiahl | |

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

Page 47 of 84



Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402 PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE

28TH OF THE FOLLOWING MONTH.

Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| N 0 0 0 0 2 8 1 | İ | 5 0 1 | 5 0 1 0 4 |
|-----------------|---|-------------|-----------|
| PERMIT NUMBER | | OUTFALL NO. | |

| EFFLUENT PARAM SAMPLE TYPE | IETED NII IMBED | Q50050 | | | | se | | | m, Total | | | zene | |
|----------------------------|---------------------------|----------------|--|-------|---------|--------|-----------------------|--------|----------|---|--------|------|------|
| SAMDLE TYPE | EFFLUENT PARAMETER NUMBER | | Q0 | 0552 | | C00552 | C00400 | Q00981 | C00981 | Q | 34030 | C34 | 1030 |
| | Permit Condition | RCOTOT | Gra | ab-3 | | Grab-3 | Grab | Comp | Comp | G | rab-3 | Gra | ab-3 |
| SAIVIFLE I IPE | Monitored | RCOTOT | Gra | ab-3 | | Grab-3 | Grab | Comp | Comp | G | rab-3 | Gra | ab-3 |
| FREQUENCY | Permit Condition | Daily | 2 | 2/7 | | 2/7 | 1/7 | 2/7 | 2/7 | 3 | /30 | 3 | /30 |
| FREQUENCT | Monitored | Daily | | 2/7 | | 2/7 | 1/7 | 2/7 | 2/7 | 3 | /30 | 3 | /30 |
| EFFLUENT | Permit Minimum | ***** | **: | **** | | ***** | Report | ***** | ***** | * | **** | *** | *** |
| LIMITATIONS | Permit Average | Report | | eport | | Report | ***** | Report | Report | F | Report | | port |
| Liviliyanono | Permit Maximum | Report | | eport | | Report | Report | Report | Report | | Report | | 5.0 |
| | UNITS = | MGD | LB. | /DAY | | MG/L | S.U. | LB/DAY | UG/L | L | B/DAY | ι | JG/L |
| | 1 | 0.242 | | | | | | | | | | | |
| | 2 | 0.236 | | | | | | | | | | | |
| | 3 | | < | 3.02 | < | 1.3 | 7.1 | 0.02 | 9.0 | < | 0.0007 | < | 0.30 |
| | 4 | 0.240 | | | | | | 2.22 | | | | | |
| | 5 | 0.265 | < | 2.87 | < | 1.3 | | 0.02 | 8.6 | | | | |
| | 6 | 0.256 0.243 | | | | | | | | | - | | |
| | | | | | | | | | | | | | |
| | <u>8</u> | | | | | | | | | | | | |
| | 10 | | < | 3.03 | < | 1.5 | 7.1 | 0.02 | 8.0 | < | 0.0006 | < | 0.30 |
| | 11 | 0.246 | _ | 3.03 | _ | 1.0 | 7.1 | 0.02 | 6.0 | _ | 0.0000 | _ | 0.30 |
| | 12 | 0.235 | < | 2.66 | < | 1.3 | | 0.01 | 4.3 | | | | |
| | 13 | | _ | 2.00 | _ | 1.0 | | 0.01 | 4.5 | | | | |
| | 14 | 0.268 | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | |
| | 16 | 0.265 | | | | | | | | | | | |
| | 17 | 0.255 | < | 2.77 | < | 1.3 | 7.1 | 0.02 | 11 | < | 0.0006 | < | 0.30 |
| | 18 | 0.264 | | | | | | | | | | | |
| | 19 | 0.253 | < | 2.82 | < | 1.3 | | 0.03 | 13 | | | | |
| | 20 | 0.261 | | | | | | | | | | | |
| | 21 | 0.256 | | | | | | | | | | | |
| | 22 | 0.236 | | | | | | | | | | | |
| | 23 | 0.246 | | | | | | | | | | | |
| | 24 | 0.255 | < | 2.77 | < | 1.3 | 7.3 | 0.03 | 14 | | | | |
| | 25 | 0.226 | | | | | | | | | | | |
| | 26 | 0.226 | < | 2.45 | < | 1.3 | | 0.03 | 15 | | | | |
| | 27 | 0.243 | | | | | | | | | | | |
| | 28 | 0.261 | | | | | | | | | | | |
| | 29 | 0.269 | | | | | | | | | | | |
| | 30 | 0.269 | | | | | | | | | | | |
| MONTHLY | NE | 0.670 | | 0.00 | | 4.6 | | 0.0045 | 40 | | 0.000= | | 0.00 |
| MONTHLY AVERAC | jΕ | 0.252 | < | 2.80 | < | 1.3 | 7.0 | 0.0218 | 10 | < | 0.0007 | < | 0.30 |
| HIGHEST VALUE | | 0.278 | | 3.03 | | 1.5 | 7.3 | 0.030 | 15 | < | 0.0007 | < | 0.30 |
| NO. OF TIMES WEE | EKI V OB DAII V | 0.226 | < | 2.45 | < | 1.3 | 7.1 | 0.0088 | 4.3 | < | 0.0006 | < | 0.30 |
| EFFL. LIMITATIONS | | 0 | | 0 | | 0 | 0 | 0 | 0 | | 0 | | 0 |
| EFFL. LIIVIITATIONS | S EVCEENED | U | | | tod de: | | e <loq &="">= L</loq> | | | | U | | U |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

Page 48 of 84



Revision Pending Approval - September 2003

Revision Pending Approval - September FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402 PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| 1 11 0 | PERMIT NUMBER | | | OUTFA | LL NO. | MO | . YR | <u>'</u> | |
|--------------------------|------------------|----------|---------|--------|---------|----------|-----------|--------------|-------------|
| EFFLUENT CHARACTERISTICS | | Benzo-a | -pyrene | Cyanid | e. Free | Phenolic | cs, Total | Nitrogen, Am | monia Total |
| EFFLUENT PARAM | | Q34247 | C34247 | Q00718 | C00718 | Q32730 | C32730 | Q00610 | C00610 |
| | Permit Condition | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp | Comp | Comp |
| SAMPLE TYPE | Monitored | Comp | Comp | Comp | Comp | Comp | Comp | Comp | Comp |
| EDECHENOV | Permit Condition | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 |
| FREQUENCY | Monitored | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 | 2/7 |
| FEELLIENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT LIMITATIONS | Permit Average | Report | 1.0 | Report | Report | Report | Report | 13.5 | Report |
| LIMITATIONS | Permit Maximum | Report | Report | Report | Report | Report | Report | 19.5 | Report |
| UNIT | S | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | UG/L |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | 0.0005 | 0.23 | 0.01 | 3.0 | 0.011 | 4.9 | 0.37 | 160 |
| | 4 | | | | | | | | |
| | 5 | 0.0005 | 0.23 | 0.01 | 3.5 | 0.011 | 4.8 | 0.24 | 110 |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| 10 | | 0.0004 | 0.20 | 0.01 | 3.0 | 0.013 | 6.3 | 0.29 | 140 |
| | 11 | | | | | | | | |
| | 12 | 0.0004 | 0.18 | 0.01 | 3.2 | 0.033 | 16 | 0.27 | 130 |
| | 13 | | | | | | | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | 0.0005 | 0.22 | 0.01 | 5.2 | 0.014 | 6.8 | 0.32 | 150 |
| | 18 | | | | | | | | |
| | 19 | 0.0003 | 0.13 | 0.01 | 3.3 | 0.012 | 5.8 | 0.91 | 430 |
| | 20 | | | | | | | | |
| | 21 | | | | | | | | |
| | 22 | | | | | | | | |
| | 23 | | | | | | | | |
| | 24 | < 0.0001 | < 0.036 | 0.01 | 4.2 | 0.021 | 10 | 0.43 | 200 |
| | 25 | | | | | | | | |
| | 26 | 0.0002 | 0.11 | 0.01 | 4.9 | 0.025 | 13 | 0.26 | 140 |
| | 27 | | | | | | | | |
| | 28 | | | | | | | | |
| | 29 | | | | | | | | |
| | 30 | | | | | | | | |
| | | | | | | | | | |
| MONTHLY AVERAG | SE | < 0.0004 | | 0.01 | 3.8 | 0.017 | 8.4 | 0.39 | 183 |
| HIGHEST VALUE | | 0.0005 | 0.23 | 0.01 | 5.2 | 0.033 | 16 | 0.91 | 430 |
| LOWECT VALUE | | . 0.0004 | . 0.000 | 0.04 | 2.0 | 0.011 | 4.0 | 0.24 | 110 |

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

0.01

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

0.0001

0.036

OWEST VALUE

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

0.011

4.8

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

Page 49 of 84

0.24

0

110



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Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

6

3

| ACILITY NAME AND ADDRESS: | |
|---------------------------|--|

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402 PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

4

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARACTERISTICS EFFLUENT PARAMETER NUMBER | | FLOW | | Lead. | Total | Z | inc, Total | | |
|--|---------------|--------|---------------|----------|--------|--------------|--------------|-----|--|
| | | Q50050 | O0. | 1051 | C01051 | Q01094 | | . | |
| Dor | mit Condition | RCOTOT | | omp | Comp | Comp | | | |
| SAMPLE LYPE | nitored | RCOTOT | | omp | Comp | Comp | | | |
| Per | mit Condition | Daily | | 2/7 | 2/7 | 2/7 | 2/7 | | |
| FRECHENCY - | nitored | Daily | | 2/7 | 2/7 | 2/7 | 2/7 | | |
| | mit Minimum | ***** | | <u> </u> | ***** | Z/1 ***** | Z/1 ***** | | |
| | | | | | | 11.5 | | | |
| | mit Average | Report | | port | Report | | Report | | |
| Per | mit Maximum | Report | | port | Report | 34.5 | Report | | |
| | UNITS = | MGD | LB | /DAY | MG/L | LB/DA | / MG/L | | |
| | 1 | 8.78 | | | | | | | |
| | 2 | 9.12 | | | | | | | |
| | 3 | 9.41 | | 0.31 | 0.00 | 40 7. | 13 0.0 | 91 | |
| | 4 | 9.62 | | | | | | | |
| | 5 | 9.10 | | 0.35 | 0.00 | 46 11 | .02 0. | 15 | |
| | 6 | 8.25 | | | | | | | |
| | 7 | 9.88 | | | | | | | |
| | 8 | 9.21 | | | | | | | |
| | 9 | 9.59 | | | | | | | |
| | 10 | 9.62 | | 0.25 | 0.00 | 31 4. | 62 0.0 | 58 | |
| | 11 | 9.17 | | | | | | | |
| | 12 | 8.71 | < | 0.10 | < 0.00 | 14 2 | 13 0.0 | 29 | |
| | 13 | 9.63 | | 00 | 1 0.00 | - | | | |
| | 14 | 9.07 | | | | _ | | | |
| | 15 | 9.55 | | | | | | | |
| | 16 | 8.92 | | | | | | | |
| | 17 | 9.18 | | 0.62 | 0.00 | 92 5 | 88 0.0 | 77 | |
| | | | | 0.62 | 0.00 | 82 5. | 88 0.0 | 177 | |
| | 18 | 9.15 | | 0.00 | 0.00 | 10 0 | 00 00 | .00 | |
| | 19 | 9.10 | | 0.33 | 0.00 | 43 6. | 28 0.0 | 83 | |
| | 20 | 9.20 | | | | | | | |
| | 21 | 9.27 | | | | | | | |
| | 22 | 8.79 | | | | | | | |
| | 23 | 9.16 | | | | | | | |
| | 24 | 9.52 | | 0.38 | 0.00 | 47 9. | 66 0. | 12 | |
| | 25 | 10.03 | | | | | | | |
| | 26 | 9.23 | | 0.54 | 0.00 | 70 6. | 86 0.0 | 89 | |
| | 27 | 9.58 | | | | | | | |
| | 28 | 9.99 | 1 | | | | | | |
| | 29 | 9.11 | | | | | | | |
| | 30 | 9.57 | | | | | | | |
| | | | | | | | | | |
| ONTHLY AVERAGE | | 9.28 | < | 0.36 | < 0.00 | 47 6 | 70 0. | 09 | |
| IGHEST VALUE | | 10.03 | | 0.62 | 0.00 | | | 15 | |
| OWEST VALUE | | 8.25 | < | 0.10 | < 0.00 | | | 29 | |
| IO. OF TIMES WEEKLY | OR DAILY | 0.20 | | 0.10 | \ 0.00 | 2. | 0.0 | 20 | |
| FFL. LIMITATIONS EXC | | 0 | 1 | 0 | 0 | 0 | 0 | | |
| FFL. LIIVII I A I IONS EXC | EEDED | U | Highlighted d | | | | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |

Joseph E. Hanning 5/21/2017

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control Page 50 of 84



0

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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

6

0

ACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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8

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28TH OF THE FOLLOWING MONTH. Mail To:

Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | PERMIT NUMBER | | | OUTFALL NO. | | | MO. YR. | | | | |
|---------------------------------------|------------------|-------------|------------------|-------------|----------|-------|---------|--------|--------|-----------|--|
| EFFLUENT CHARACTERISTICS | | FLOW 050050 | | | Grease | | TS | | | um, Total | |
| EFFLUENT PARAME | - | Q50050 | | 000552 | | 0552 | Q00530 | C00530 | Q01118 | C01118 | |
| SAMPLE TYPE | Permit Condition | RCOTOT | | rab-3 | Grab | | Comp | Comp | Comp | Comp | |
| O/ WIT EE TITE | Monitored | RCOTOT | G | rab-3 | Grab-3 | | Comp | Comp | Comp | Comp | |
| FREQUENCY | Permit Condition | Daily | | 5/7 | | 5/7 | 2/7 | 2/7 | 2/7 | 2/7 | |
| TREGOLITOT | Monitored | Daily | | 5/7 | | 5/7 | 2/7 | 2/7 | 2/7 | 2/7 | |
| EFFLUENT | Permit Minimum | ***** | 1 | ***** | **** | | ***** | ***** | ***** | ***** | |
| LIMITATIONS | Permit Average | Report | | Report | | eport | 2901 | Report | 28.25 | Report | |
| | Permit Maximum | Report | | Report | Report | | 6455 | Report | 45.77 | Report | |
| | UNITS = | MGD | L | B/DAY | N | 1G/L | LB/DAY | MG/L | LB/DAY | MG/L | |
| | 1 | 17.87 | | | | | | | | | |
| | 2 | 16.18 | | | | | | | | | |
| | 3 | | < | | < | 1.3 | | | | | |
| | 4 | | < | | < | 1.3 | 491.2 | 2.9 | 2.88 | 0.017 | |
| | 5 | | < | | < | 1.3 | | | | | |
| | 6 | | < | | < | 1.5 | 442.2 | 2.3 | 1.79 | 0.0093 | |
| | 7 | 25.33 | < | 436.9 | ' | 2.1 | | | | | |
| | 8 | | | | | | | | | | |
| | 9 | 16.38 | | | | | | | | | |
| | 10 | 23.23 | < | 413.6 | < | 2.1 | | | | | |
| | 11 | 23.64 | < | 256.4 | < | 1.3 | 453.7 | 2.3 | 2.96 | 0.015 | |
| | 12 | 23.50 | | 313.7 | | 1.6 | | | | | |
| | 13 | 25.66 | < | 278.4 | < | 1.3 | 642.5 | 3.0 | 1.24 | 0.0058 | |
| | 14 | 25.74 | < | 300.7 | < | 1.4 | | | | | |
| | 15 | 21.13 | | | | | | | | | |
| | 16 | 18.85 | | | | | | | | | |
| | 17 | 24.38 | < | 379.7 | < | 1.9 | | | | | |
| | 18 | 26.69 | < | 304.4 | < | 1.4 | 957.6 | 4.3 | 1.58 | 0.0071 | |
| | 19 | 23.61 | < | 269.3 | < | 1.4 | | | | | |
| | 20 | 24.49 | < | 354.2 | < | 1.7 | 551.7 | 2.7 | 1.25 | 0.0061 | |
| | 21 | 23.20 | < | 251.7 | < | 1.3 | | | | | |
| | 22 | 16.91 | | | | | | | | | |
| | 23 | 17.96 | | | | | | | | | |
| | 24 | 23.65 | < | 263.2 | < | 1.3 | | | | | |
| | 25 | | < | 237.3 | < | 1.3 | 438 | 2.4 | 1.64 | 0.0090 | |
| | 26 | 18.26 | < | 198.1 | ٧ | 1.3 | | | | | |
| | 27 | 17.61 | < | 191.0 | < | 1.3 | 337.9 | 2.3 | 0.84 | 0.0057 | |
| | 28 | 17.09 | < | 194.9 | < | 1.4 | | | | | |
| | 29 | 11.45 | | | | | | | | | |
| | 30 | 13.06 | | | | | | | | | |
| | | | | | | | | | | | |
| MONTHLY AVERAG | E | 20.60 | < | 281.1 | < | 1.5 | 539.4 | 2.8 | 1.77 | 0.0094 | |
| HIGHEST VALUE | | 26.69 | | 436.9 | | 2.1 | 957.6 | 4.3 | 2.96 | 0.017 | |
| LOWEST VALUE | | 11.45 | < | 191.0 | < | 1.3 | 337.9 | 2.3 | 0.84 | 0.0057 | |
| NO. OF TIMES WEE EFFL. LIMITATIONS | | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | |
| | | <u> </u> | Highlighted dail | | | | | | V | J | |

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I certify under penalty of law that this document and all attachments

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

Page 51 of 84



Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS Revision Pending Approval - September 2003

| | | rtoriolori i orialing ripproval | 00 |
|-----|--------------------------|---------------------------------|----|
| FAC | CILITY NAME AND ADDRESS: | | |
| U. | S. Steel Corporation | | |
| Or | ne North Broadway | | |
| Ma | ail Sta. 70 | | |
| Ga | rv. IN 46402 | | |

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Indiana Dept. of Environmental Management

| | | | Gary, r | 11 4040 | | | | | | | | | | P.O. Box 6015 Indianapolis, Indiana 46206-6015 | | | | | | | |
|--|---|---|-----------|--------------|-----------|---|-----|--------|------------|------|---------|----------------|-------|--|----------|--------|---------|---------|-------------|--|--|
| I | N | 0 | 0 PERM | 0 MIT NUI | 0 MBER | 2 | 8 | 1 | | OU. | TFA | 0 4 ALL NO. | | 0 N | 4 10. | | 1 YF | 7 R. |] | | |
| EFFLUENT CHARACTERISTICS Lead, Total | | | | | | | | | Z | inc, | , Total | | Cyani | de, To | otal | | | Cadr | nium, Total | | |
| EFFILIENT PARAMETER NUMBER 001051 C01051 | | | | | | | 151 | 001094 | \cap 000 | 720 | (| 20072 | 20 | 00 | 1113 | C01113 | | | | | |

| EFFLUENT CHARAC | TERISTICS | | Lea | d, 1 | Γotal | Zinc | , Total | Cyai | nide | , Total | Cadmium, Total | | |
|------------------------------|------------------|---|---------|----------|---------|---------|---------|---------|------|---------|----------------|----------|--|
| EFFLUENT PARAME | TER NUMBER | | Q01051 | | C01051 | Q01094 | C01094 | Q00720 | | C00720 | Q01113 | C01113 | |
| SAMPLE TYPE | Permit Condition | | Comp | | Comp | Comp | Comp | Grab-3 | | Grab-3 | Comp | Comp | |
| SAMPLE TYPE | Monitored | | Comp | | Comp | Comp | Comp | Comp | | Comp | Comp | Comp | |
| ========= | Permit Condition | | 2/7 | | 2/7 | 2/7 | 2/7 | 1/90 | T | 1/90 | 1/90 | 1/90 | |
| FREQUENCY | Monitored | T | 2/7 | 2/7 | | 2/7 | 2/7 | 1/90 | | 1/90 | 1/90 | 1/90 | |
| | Permit Minimum | 1 | ***** | ***** | | ***** | ***** | ***** | | ***** | ***** | ***** | |
| EFFLUENT | Permit Average | 1 | Report | | Report | 33.42 | Report | 18.4 | | Report | Report | Report | |
| LIMITATIONS | Permit Maximum | + | Report | Report | | 70.00 | Report | 34 | | Report | Report | Report | |
| UNITS | | | LB/DAY | | MG/L | LB/DAY | MG/L | LB/DAY | | MG/L | LB/DAY | MG/L | |
| 011110 | 1 | _ | 25/5/(1 | | IVIO/E | 20/0/(1 | WO,E | LD/D/(I | _ | IVIO/L | LB/B/(I | WIO/L | |
| | | _ | | | | | | | + | | | | |
| | 3 | | | | | | | | + | | | | |
| | 3 | - | 0.017 | _ | 0.00010 | 1.86 | 0.011 | . 0.2 | 39 < | 0.0020 | 0.013 | 0.000077 | |
| | 5 | _ | 0.017 | ` | 0.00010 | 1.00 | 0.011 | < 0.50 | 39 < | 0.0020 | 0.013 | 0.000077 | |
| | | | 0.019 | <u> </u> | 0.00010 | 2.31 | 0.012 | | + | | | | |
| | | | 0.019 | < | 0.00010 | 2.31 | 0.012 | | + | | | | |
| | 7 | | | | | | | | + | | | | |
| | 8 | _ | | | | | | | _ | | | | |
| | 9 | | | | | | | | _ | | | | |
| | 10 | | | | | | | | _ | | | | |
| 1 | | | 0.02 | | 0.00010 | 2.37 | 0.012 | | _ | | | | |
| 1: | | | | | | | | | _ | | | | |
| 13 | | | 0.021 | ٧ | 0.00010 | 1.97 | 0.0092 | | _ | | | | |
| | 14 | | | | | | | | | | | | |
| | 15 | _ | | | | | | | | | | | |
| | 16 | 6 | | | | | | | | | | | |
| | 17 | | | | | | | | | | | | |
| | 18 | | 0.033 | | 0.00015 | 2.67 | 0.012 | | | | | | |
| | 19 |) | | | | | | | | | | | |
| | 20 |) | 0.029 | | 0.00014 | 2.25 | 0.011 | | | | | | |
| | 21 | | | | | | | | | | | | |
| | 22 | 2 | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | |
| | 24 | ŀ | | | | | | | | | | | |
| | 25 | | 0.018 | < | 0.00010 | 2.37 | 0.013 | | | | | | |
| | 26 | 3 | | | | | | | T | | | | |
| | 27 | 1 | 0.015 | | 0.00010 | 1.41 | 0.0096 | | T | | | | |
| | 28 | | | | | | | | T | | | | |
| | 29 | | | | | | | | T | | | | |
| | 30 | | | | | | | | T | | | | |
| | | T | | | | | | | T | İ | | | |
| MONTHLY AVERAGI | E | < | 0.022 | < | 0.00011 | 2.15 | 0.011 | < 0.3 | 34 < | 0.0020 | 0.013 | 0.000077 | |
| HIGHEST VALUE | | | 0.033 | | 0.00015 | 2.67 | 0.013 | | 34 < | | 0.013 | 0.000077 | |
| LOWEST VALUE | | < | 0.015 | < | 0.00010 | 1.41 | 0.0092 | | 34 < | | 0.013 | 0.000077 | |
| NO. OF TIMES WEEKLY OR DAILY | | | | | | | | | 1 | | | | |
| EFFL. LIMITATIONS | | | 0 | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | - | 1 | - | _ | - | 7 | , | ı | | ÷ | , | | |

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|--|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Joseph E. Hanning | 5/21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |
| Joseph E. Hanning, Manager Environmental Control | Page 52 of 84 |
| | |

Based on my inquiry of the persons directly responsible for managing compliance with the permit limitations for TTO, I certify that, to the best of my knowledge and belief, no disposal of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Pollutant Management Plan submitted to the Compliance Evaluation Section of the Office of Water Quality, as required by this permit.



MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

| FACILITY NAME AND ADDRESS: |
|----------------------------|
| |
| U.S. Steel Corporation |
| One North Broadway |
| Mail Sta. 70 |
| Gary, IN 46402 |

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| ı | N 0 0 0 0 2 8 1 | | | | 1 | 6 | 0 4 | 0 | | | |
|--|-----------------|--------|------------------|-----------|-------------------|----------------|----------------|--------|----------|---------|------------|
| | | | PERMIT NUMBER | 1 | | OUTF | ALL NO. | М | O. YF | ₹. | |
| EFFL | UENT C | HARAC | CTERISTICS | Hexavale | nt Chromium | Сорр | er, Total | Nicke | I, Total | Silv | er, Total |
| EFFLU | JENT P | ARAME | TER NUMBER | Q01220 | C01220 | Q01119 | C01119 | Q01074 | C01074 | Q01079 | C01079 |
| SAI | MPLE T | YPF | Permit Condition | Grab | Grab | Comp | Comp | Comp | Comp | Comp | Comp |
| | | | Monitored | | | Comp | Comp | Comp | Comp | Comp | Comp |
| FR | REQUEN | ICY | Permit Condition | Suspended | Suspended | 2/7 | 2/7 | 1/90 | 1/90 | 2/ 30 | 2/ 30 |
| | | | Monitored | ***** | ***** | 2/7 | 2/7 | 1/90 | 1/90 | 2/ 30 | 2/ 30 |
| E | FFLUE | NΤ | Permit Minimum | | | | | | | | |
| LIMITATIONS Permit Average Permit Average | | | | 0.15 | Report | Report | Report | 39.32 | Report | Report | Report |
| | | LINITO | Permit Maximum | 0.46 | Report | Report | Report MG/L | 65.76 | Report | Report | Report |
| | | UNITS | 1 | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L |
| | | | 2 | | | | | | | | |
| | | | 3 | | | | | | | | |
| | | | 3 | | | 0.51 | 0.0030 | 0.474 | 0.0028 | < 0.012 | < 0.000070 |
| | | | 5 | | | 0.51 | 0.0030 | 0.474 | 0.0026 | 0.012 | . 0.000070 |
| - | | | 6 | | | 1.85 | 0.0096 | | | | |
| - | | | 7 | | | 1.00 | 0.0000 | | | | |
| | | | 8 | | | | | | | | |
| | | | 9 | | | | | | | | |
| | | | 10 | | | | | | | | |
| | | | 11 | | | 0.85 | 0.0043 | | | < 0.014 | < 0.000070 |
| | | | 12 | | | | | | | | |
| | | | 13 | | | 0.88 | 0.0041 | | | | |
| | | | 14 | | | | | | | | |
| | | | 15 | | | | | | | | |
| | | | 16 | | | | | | | | |
| | | | 17 | | | | | | | | |
| | | | 18 | | | 2.90 | 0.013 | | | | |
| | | | 19 | | | | | | | | |
| | | | 20 | | | 1.37 | 0.0067 | | | | |
| | | | 21 | | | | | | | | |
| | | | 22 | | | | | | | | |
| - | | | 23 | | | | | | | | |
| - | | | 24 | | | 0.01 | 0.011 | | | | |
| | | | 25 | | | 2.01 | 0.011 | | | | |
| | | | 26 27 | | | 1.62 | 0.011 | | | | |
| - | | | 28 | | | 1.02 | 0.011 | | | | |
| | | | 28 | | | | | | | | |
| | | | 30 | | | | | | | | |
| | | | 30 | | | | | | | | |
| MONT | MONTHLY AVERAGE | | | NA | NA | 1.50 | 0.0078 | 0.47 | 0.0028 | < 0.013 | < 0.000070 |
| | HIGHEST VALUE | | | NA | NA | 2.90 | 0.013 | 0.47 | 0.0028 | | |
| | ST VAL | | | NA | NA | 0.51 | 0.0030 | 0.47 | 0.0028 | | < 0.000070 |
| | | | KLY OR DAILY | | | | | | | | |
| EFFL. | LIMITA | TIONS | EXCEEDED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | مغمانه المانية ال | م ممنیامینیانم | 1000 . 10 | | | | |

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|--|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |
| Joseph E. Hanning, Manager Environmental Control | Page 53 of 84 |



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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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Mail To:

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Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

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Indianapolis, Indiana 46206-6015

| | FERMIT NOMBER | | | | | 0011 | /\LL | 140. | | viO. | IIX. | | |
|--|------------------|-------------------|--------------|----------------|--|-------------|----------|---------|----------------|------------------------------|-------------|---|--|
| EFFLUENT CHARAC | | Nap | hthale | | | Tetrachlo | oroe | thylene | | TTO | | | |
| EFFLUENT PARAMET | TER NUMBER | Q34696 | | C34696 | | 234475 | | C34475 | Q78224 | | | | |
| SAMPLE TYPE | Permit Condition | Comp | | Comp | (| Grab-2 | | Grab-2 | Comp | | | | |
| SAIVIPLE ITPE | Monitored | Comp | | Comp | (| Grab-2 | | Grab-2 | | | | | |
| EDECHENCY | Permit Condition | 2/7 | | 2/7 | | 2/7 | | 2/7 | 1/31 | | | | |
| FREQUENCY | Monitored | 2/7 | | 2/7 | | 2/7 | | 2/7 | | | | | |
| | Permit Minimum | ***** | ** | **** | | ***** | | ***** | ***** | | | | |
| EFFLUENT | Permit Average | ***** | ** | **** | | ***** | ***** | | ***** | | | | |
| | Permit Maximum | 1.68 | | Report | | 2.51 | | Report | 35.19 | | | | |
| UNITS | | LB/DAY | MG/L | | LB/DAY | | MG/L | | LB/DAY | | | | |
| 55 | 1 | | | | | | | 0/2 | 22/2/11 | | | | |
| | 2 | | 1 | | | | | | | | - | | |
| | 3 | | 1 | | | | | | | | - | - | |
| | 4 | | 1 / | 0.000061 | _ | 0.046 | _ | 0.00027 | | | | | |
| | 5 | | | 0.000001 | | 0.040 | È | 0.00027 | | | + | | |
| | | < 0.012 | 2 < | 0.000061 | | 0.052 | <u> </u> | 0.00027 | | + | + | | |
| | 7 | | . ` | 0.000061 | < | 0.032 | È | 0.00027 | | + | | | |
| | 8 | | 1 | | | | - | | | + | + | | |
| | | | - | | - | | | | | | _ | | |
| | 9 | | - | | | | | | | | _ | | |
| | 10 | | | | _ | | | | | | | | |
| | < 0.012 | 2 < | 0.000060 | < | 0.053 | < | 0.00027 | | | | | | |
| | | | | | | | | | | | | | |
| | < 0.013 | 3 < | 0.000060 | < | 0.058 | < | 0.00027 | | | | | | |
| | 14 | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | |
| | 16 | | | | | | | | | | | | |
| | 17 | | | | | | | | | | | | |
| | 18 | < 0.013 | 3 < | 0.000060 | < | 0.06 | < | 0.00027 | | | | | |
| | 19 | | | | | | | | | | | | |
| | 20 | < 0.012 | 2 < | 0.000061 | < | 0.055 | ٧ | 0.00027 | | | | | |
| | 21 | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | |
| | 25 | < 0.011 | < | 0.000060 | < | 0.049 | < | 0.00027 | | | | | |
| | 26 | | | | | | | | | | | | |
| | 27 | < 0.009 |) < | 0.000061 | < | 0.04 | < | 0.00027 | | | | | |
| | 28 | | | | | | | | | | | | |
| | 29 | | | | | | | | | | | | |
| | 30 | | 1 | | t | | | | | 1 | + | | |
| | | | 1 | | 1 | | | | | | - | - | |
| MONTHLY AVERAGE | | < 0.012 |) _ | 0.000061 | _ | 0.052 | _ | 0.00027 | NA | | | | |
| HIGHEST VALUE | | < 0.012 | | 0.000061 | | 0.032 | | 0.00027 | NA NA | | | | |
| LOWEST VALUE | | < 0.009 | _ | 0.000060 | | 0.00 | _ | 0.00027 | NA NA | | | | |
| NO. OF TIMES WEEK | T V OR DAIL V | 0.008 | , | 0.000000 | _ | 0.04 | <u> </u> | 0.00027 | INA | | | | |
| EFFL. LIMITATIONS EXCEEDED | | 0 | 1 | 0 | | 0 | | 0 | 0 | | | | |
| LI FL. LIMITATIONS E | -VOEEDED | | 1 | | ۲ طع: ا | | ro | | | <u>I</u> ot quantifiable. | | L | |
| Locatify under populary of low that this decumen | | 1 - 11 - 11 - 1 1 | | riigiiiigiilei | u uai | iy values a | | | ים, and ale no | or quarimable. | | | |

were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

Page 54 of 84

DATE



Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:
U.S. Steel Corporation

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Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| | | | 1 | | \equiv | | | | | | |
|----------------------------|------------------|----------------|---------------|--------------|----------|---------|-------|---------------|------------------|-------|--|
| I N 0 | 0 0 0 | 2 8 | 1 | 0113 | | 0 | 5 | 0 | 4 1 | 7 | |
| | PERMIT NUMBER | | | 001 | IFAL | L NO. | • | M | O. YI | R. | |
| EFFLUENT CHARACT | TERISTICS | FLOW | | Oil | & Gı | rease | | TS | SS | | |
| EFFLUENT PARAMET | | Q50050 | | Q00552 | | C00 | 552 | Q00530 | C00530 | | |
| 0.445U 5 T) (D5 | Permit Condition | RCOTOT | | Grab-3 | | Gra | | Comp | Comp | | |
| SAMPLE TYPE | Monitored | RCOTOT | | Grab-3 | | Gra | b-3 | Comp | Comp | | |
| EDECLIENCY F | Permit Condition | Daily | | 5/7 | | 5/ | /7 | 2/7 | 2/7 | | |
| FREQUENCY | Monitored | Daily | | 5/7 | | 5/ | /7 | 2/7 | 2/7 | | |
| EFFLUENT F | Permit Minimum | ***** | | ***** | | **** | *** | ***** | ***** | | |
| 1 - 1 | Permit Average | Report | | Report | | **** | *** | 725 | Report | | |
| LIMITATIONS Permit Maximum | | Report | | 1450 | | Rep | port | 2175 | Report | | |
| | UNITS = | MGD | | LB/DAY | ' | MC | G/L | LB/DAY | MG/L | | |
| | 1 | 0.178 | | 5. | .7 | | 3.8 | | | | |
| | 2 | 0.377 | | 6. | .1 | | 1.9 | | | | |
| | 3 | 0.354 | | 9. | .2 | | 3.1 | | | | |
| | 4 | 1.732 | | < 28 | 3.4 | < | 2.0 | 102.6 | 7.1 | | |
| | 5 | 0.297 | | 5. | .1 | | 2.1 | | | | |
| | 6 | 0.739 | | < 10 |).1 | < | 1.6 | 19.1 | 3.1 | | |
| | 7 | 0.539 | | < 6. | .7 | < | 1.5 | | | | |
| | 8 | 0.379 | | < 5. | .0 | < | 1.6 | | | | |
| | 9 | 0.452 | | < 8. | .2 | < | 2.2 | | | | |
| | 10 | 1.953 | | < 21 | .2 | < | 1.3 | | | | |
| | 11 | 1.989 | | < 21 | .6 | < | 1.3 | 49.8 | 3.0 | | |
| | 12 | 0.616 | | 14 | .4 | | 2.8 | | | | |
| | 13 | 0 | | | | | 2.2 | | 25 | | |
| | 14 | 0.783 | | 15 | 5.2 | | 2.3 | | | | |
| | 15 | 0.081 | | 1. | _ | | 2.1 | 2.3 | 3.4 | | |
| | 16 | 0.136 | | < 1. | .7 | < | 1.5 | | | | |
| | 17 | 0.249 | | 10 | 0.6 | | 5.1 | | | | |
| | 18 | 2.652 | | < 69 | 0.3 | < | 3.1 | 243.4 | 11 | | |
| | 19 | 0.166 | | < 2. | .8 | < | 2.0 | | | | |
| | 20 | 0 | | | | | 3.7 | | 6.4 | | |
| | 21 | 0.030 | | 0.9 | | | 2.0 | | | | |
| | 22 | 0.292 | | < 3. | | < | 1.3 | 3.2 | 1.3 | | |
| | 23 | 0.033 | | < 0.3 | | < | 1.3 | | | | |
| | 24 | 0.380 | | 8. | | | 2.7 | | | | |
| | 25 | 1.039 | | < 17 | _ | < | 2.0 | 35.5 | 4.1 | | |
| | 26 | 0.064 | | < 1. | | < | 1.8 | | | | |
| | 27 | 0.485 | | 13 | | | 3.2 | 19.8 | 4.9 | | |
| | 28 | 0.186 | | 3. | | | 2.1 | | | | |
| | 29 | 0.207 | | | .4 | | 2.5 | | | | |
| | 30 | 0.574 | | < 8. | .6 | < | 1.8 | | | | |
| | | | | | | | | | | | |
| MONTHLY AVERAGE | | 0.606 2.652 | | | 8.0 | < | 2.3 | 59.5 | 6.9 | | |
| | HIGHEST VALUE | | | 69 | | | 5.1 | 243.4 | 25 | | |
| | OWEST VALUE | | | < 0.3 | 36 | < | 1.3 | 2.3 | 1.3 | | |
| NO. OF TIMES WEEK | | | _ | | _ | _ | | • | | | |
| EFFL. LIMITATIONS E | XCEEDED | 0 | 110 1 20 | 0 | | |) | 0 | 0 | 1.1. | |
| <u> </u> | | | Highlig | nted daily v | alues | s are < | LUU & | >= LOD, and a | re not quantifia | idie. | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

DATE Page 55 of 84

Joseph E. Hanning, Manager Environmental Control



| | | | | | | | Revision | Pend | ling Approval - | Septemb | er 2003 | | | | | | | |
|--|---|--|--|--|--|--|----------|------|-----------------|---------|---|-----|---|---------|--------------|---|--|--|
| | FACILITY NAME AND ADDRESS: U.S. Steel Corporation | | | | | | | | | | PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH. | | | | | | | |
| One North Broadway Mail Sta. 70 Gary, IN 46402 | | | | | | | | | | | Mail To: | | Indiana Dept. o Office of Water P.O. Box 6015 Indianapolis, In | Quality | / Data Manag | • | | |
| 0 0 0 2 8 1 6 | | | | | | | | | | | 0 6 0 4 1 7 | | | | | | | |
| PERM | PERMIT NUMBER OUTFA | | | | | | | | ALL NO |). | _ | MO. | | YR. | | _ | | |

| EFFLUENT CHARACT | FLOW | Oil & Grease | Lead, Total | Zinc, Total | Chromium, Total | Phenolics, Total | | |
|---------------------|------------------|---------------|--|---------------------|--------------------------|------------------------|--|--|
| EFFLUENT PARAMET | Q50050 | C00552 | C01051 | C01094 | C01118 | C00680 | | |
| T _F | Permit Condition | RCOTOT | Grab | Comp | Comp | Comp | Comp | |
| SAMPLE LYPE | Monitored | RCOTOT | Grab | Comp | Comp | Comp | Comp | |
| EDECLIENCY F | Permit Condition | Daily | 1/7 | 1/ 30 | 1/ 30 | 1/ 30 | 1/ 30 | |
| FRECHENIC:Y | Monitored | Daily | 1/7 | 1/ 30 | 1/ 30 | 1/ 30 | 1/ 30 | |
| l l | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | |
| EFFLUENI E | Permit Average | Report | ***** | ***** | ***** | ***** | ***** | |
| | Permit Maximum | Report | Report | Report | Report | Report | Report | |
| | UNITS = | MGD | MG/L | MG/L | MG/L | MG/L | MG/L | |
| | 1 | 2.53 | | | | | | |
| | 2 | 3.62 | | | | | | |
| | 3 | 5.29 | | | | | | |
| | 4 | 5.57 | < 1.3 | 0.00047 | 0.017 | 0.00073 | 0.0046 | |
| | 5 | 3.20 | | | | | | |
| | 6 | 4.12 | | | | | | |
| | 7 | 3.43 | | | | | | |
| | 8 | 5.69 | | - | | | | |
| | 9 | 3.07 | | | | | | |
| | 10 | 3.12 | | | | | | |
| | 11 | 2.17 | 1.7 | | | | | |
| | 12 | 2.79 | | | | | | |
| | 13 | 2.54 | | | | | | |
| | 14 | 2.18 | | | | | | |
| | 15 | 3.09 | | | | | | |
| | 16 | 2.11 | | | | | | |
| | 17 | 3.87 | | | | | | |
| | 18 | 1.96 | 1.6 | | | | | |
| | 19 | 6.02 | | | | | | |
| | 20 | 1.91 | | | | | | |
| ļ | 21 | 2.17 | . | | | | | |
| | 22 | 2.55 | ļ | | | | | |
| | 23 | 1.50 | | | | | | |
| | 24 | 2.67 | 4.7 | | | | | |
| | 25 | 1.29 | 1.7 | | | | | |
| <u> </u> | 26 27 | 1.41 2.07 | | | | 1 | | |
| <u> </u> | 27 | | | | | <u> </u> | | |
| | 28 | 3.49 11.34 | | | | | | |
| | 30 | 6.40 | <u> </u> | | | | | |
| | 31 | 0.40 | | | | | | |
| MONTHLY AVERAGE | 31 | 3.44 | < 1.6 | 0.00047 | 0.017 | 0.00073 | 0.0046 | |
| HIGHEST VALUE | | 11.34 | 1.7 | 0.00047 | 0.017 | 0.00073 | 0.0046 | |
| LOWEST VALUE | | 1.29 | < 1.3 | 0.00047 | 0.017 | 0.00073 | 0.0046 | |
| NO. OF TIMES WEEKL | Y OR DAILY | 1.20 | 1.0 | 0.00041 | 0.017 | 0.00073 | 0.0040 | |
| EFFL. LIMITATIONS E | | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | Highlighte | ed daily values are | <loq &="">= LOD, a</loq> | and are not quantifiab | ole. | |
| | | | _ ~ ~ | • | , | • | | |

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| Mark Her | Mark Henry | | | | | | | |
|----------------------------|--|------------|--------------|--|--|--|--|--|
| (SIGNATURE OF CERTIF | (SIGNATURE OF CERTIFIED OPERATOR) | | | | | | | |
| Mark Her | Mark Henry | | | | | | | |
| 219.763.5869 | WV | V020376 | | | | | | |
| PHONE NUMBER | | CERTIF | FICATION NO. | | | | | |
| Joseph E. Ha | | 12/21/2015 | | | | | | |
| (SIGNATURE OF PRINCIPAL E | (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | | | | | | | |
| Joseph E. Hanning, Manager | Page 56 | of 85 | | | | | | |



MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

FACILITY NAME AND ADDRESS:

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE

28TH OF THE FOLLOWING MONTH.

Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| 1 | 0 | 2 | 0 | _ | Λ | 0 | NI | |
|-----|---|-----|-------|----------|---------------|---------------|---------------|-------------------|
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| OUT | | | OUT | IDED OUT | IT NUMBER OUT | DEDMIT NUMBER | DEDMIT NUMBER | PERMIT NUMBER OUT |

| EFFLUENT CHARACTERISTICS | | FLOW | рН | T: | SS | Oil & Grease | Nitrogen, Ammonia Total | | |
|--------------------------|------------------|----------|--------|--------|--------|------------------------------|-------------------------|--------|--|
| EFFLUENT PARAME | TER NUMBER | Q50050 | C00400 | Q00530 | C00530 | C00552 | Q00610 | C00610 | |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab | Comp | Comp | Grab | Comp | Comp | |
| SAMPLE ITPE | Monitored | RCOTOT | Grab | Comp | Comp | Grab | Comp | Comp | |
| FREQUENCY | Permit Condition | Daily | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | |
| FREQUENCY | Monitored | Daily | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | |
| FFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | **** | ***** | ***** | |
| EFFLUENT LIMITATIONS | Permit Average | Report | ***** | Report | 30 | 10 | Report | Report | |
| LIMITATIONS | Permit Maximum | Report | Report | Report | 60 | 15 | Report | Report | |
| | UNITS = | MGD | S.U. | LB/DAY | MG/L | MG/L | LB/DAY | MG/L | |
| | 1 | 0.1179 | | | | | | | |
| | 2 | 0.0973 | | | | | | | |
| | 3 | 0.1046 | 7.6 | 4.71 | 5.4 | 2.2 | 17.90 | 21 | |
| | 4 | 0.1073 | | | | | | | |
| | 5 | 0.1068 | | | | | | | |
| | 6 | 0.1103 | | | | | | | |
| | 7 | 0.0956 | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | 0.1020 | | | | | | | |
| | 10 | 0.1153 | 7.1 | 3.85 | 4.0 | 3.2 | 18.28 | 19 | |
| | 11 | 0.1101 | | | | | | | |
| | 12 | 0.1060 | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | 0.0980 | 8.3 | 9.00 | 11 | 3.1 | 11.21 | 14 | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| | 20 | | | | | | | | |
| | 21 | 0.0768 | | | | | | | |
| | 22 | 0.1133 | | | | | | | |
| | 23 | 0.1088 | | | | | | | |
| | 24 | | 7.4 | 9.07 | 10 | < 1.3 | 21.76 | 24 | |
| | 25 | | | | | | | | |
| | 26 | | | | | | | | |
| | 27 | 0.0954 | | | | | | | |
| | 28 | | | | | | | | |
| | 29 | 0.0822 | | | | | | | |
| | 30 | | | | | | | | |
| | | | | | | | | | |
| MONTHLY AVERAGE | | 0.0995 | | 6.66 | 7.6 | < 2.5 | 17.29 | 19 | |
| HIGHEST VALUE | | 0.1179 | 8.3 | 9.07 | 11 | 3.2 | 21.76 | 24 | |
| LOWEST VALUE | | 0.0319 | 7.1 | 3.85 | 4.0 | < 1.3 | 11.21 | 14 | |
| NO. OF TIMES WEEK | KLY OR DAILY | | | 5.50 | | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | <u> </u> | | | |), and are not quantifiable. | | - | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

DATE

Page 57 of 84



Gary, IN 46402

DEDMIT NI IMBED

Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

| | 0 |
|----------------------------|---|
| FACILITY NAME AND ADDRESS: | |
| U.S. Steel Corporation | |
| One North Broadway | |
| Mail Sta. 70 | |

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PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To:

0

Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| T ENWIT HOMBER | | | | 00117 | KEE 110. | 1410 | | | | | |
|------------------------------|------------------|-----------|----------|--------|----------|--------|---------|-------------|--------|--|--|
| EFFLUENT CHARA | CTERISTICS | BOD, Carl | onaceous | Cyanic | de, Free | Lead, | Total | Zinc, Total | | | |
| EFFLUENT PARAM | | Q80082 | C80082 | Q00718 | C00718 | Q01051 | C01051 | Q01094 | C01094 | | |
| SAMPLE TYPE Permit Condition | | Comp | Comp | Grab-3 | Grab-3 | Comp | Comp | Comp | Comp | | |
| O/ WIT EE TITE | Monitored | Comp | Comp | Comp | Comp | Comp | Comp | Comp | Comp | | |
| FREQUENCY | Permit Condition | 1/7 | 1/7 | 1 /30 | 1 /30 | 1 /30 | 1 /30 | 1 /30 | 1 /30 | | |
| TREGOLITOT | Monitored | 1/7 | 1/7 | 1 /30 | 1 /30 | 1 /30 | 1 /30 | 1 /30 | 1 /30 | | |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | | |
| LIMITATIONS | Permit Average | Report | Report | Report | Report | Report | Report | Report | Report | | |
| | Permit Maximum | Report | Report | Report | Report | Report | Report | Report | Report | | |
| UNIT | S | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L | LB/DAY | MG/L | | |
| | 1 | | | | | | | | | | |
| | 2 | | | | | | | | | | |
| | 3 | 154.5 | 177 | 0.0012 | 0.0014 | 0.0005 | 0.00052 | 0.030 | 0.034 | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| | 6 | | | | | | | | | | |
| | 7 | | | | | | | | | | |
| | 8 | | | | | | | | | | |
| | 9 | 477.0 | 105 | | | | | | | | |
| | 10 | 177.9 | 185 | | | | | | | | |
| | 11 | | | | | | | | | | |
| | 12 | | | | | | | | | | |
| | 13 | | | | | | | | | | |
| | 14 | | | | | | | | | | |
| | 15 16 | | | | | | | | | | |
| | 17 | 99.8 | 122 | | | | | | | | |
| | 18 | 99.0 | 122 | | | | | | | | |
| | 19 | | | | | | | | | | |
| | 20 | | | | | | | | | | |
| | 21 | | | | | | | | | | |
| | 22 | | | | | | | | | | |
| | 23 | | | | | | | | | | |
| | 24 | 180.5 | 199 | | | | | | | | |
| | 25 | 100.0 | 100 | | | | | | | | |
| | 26 | | | | | | | | | | |
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| | 30 | | | | | | | | | | |
| | | | | | | | | | | | |
| MONTHLY AVERAG | SE | 153.2 | 171 | 0.0012 | 0.0014 | 0.0005 | 0.00052 | 0.030 | 0.034 | | |
| HIGHEST VALUE | | 180.5 | 199 | 0.0012 | 0.0014 | 0.0005 | 0.00052 | 0.030 | 0.034 | | |
| LOWEST VALUE | | 99.8 | 122 | 0.0012 | 0.0014 | 0.0005 | 0.00052 | 0.030 | 0.034 | | |
| NO. OF TIMES WEE | KLY OR DAILY | | | | | | | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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| Mark Henry | 5/21/2017 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph F. Hanning | 5/21/2017 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

Page 58 of 84

DATE



| MONTHLY MONITORING REPOR | On Pending Approval - September 2003 | DISCHARGE PERMITS |
|----------------------------|--------------------------------------|---|
| FACILITY NAME AND ADDRESS: | PLEASE COM | PLETE AND SUBMIT ONE COPY EACH MONTH. |
| | THIS REPORT | MUST BE POSTMARKED NO LATER THAN THE |
| U.S. Steel Corporation | 28TH OF THE | FOLLOWING MONTH. |
| One North Broadway | | |
| Mail Sta. 70 | Mail To: | Indiana Dept. of Environmental Management |
| Gary, IN 46402 | | Office of Water Quality / Data Management Section |
| | | P.O. Box 6015 |

| I N | 0 | 0 | 0 | 0 | 2 | 8 | 1 | | | 6 | 0 | 7 | | 4 | 1 | 7 | | |
|---------------------------|----------|----------|------------------|------|------|--------|------|------|----------|---------|--------|--------|----|---|----|---|--------------|--|
| | | PERM | IT NUM | BER | | | | | | OUTF | ALL | NO. | МО | • | YR | | | |
| EFFLUENT CHARACTERISTICS | | | | | Pher | nolics | | | Benzo | (a)py | rene | | | | | | | |
| EFFLUENT PARAMETER NUMBER | | | | Q006 | 80 | C006 | | | Q34247 | | C34247 | | | | | | | |
| SAMPLE TYPE | | Permit | Permit Condition | | Con | | | mp | | Comp | | Comp | | | | | | |
| OAIVII L | | Monitor | | | Con | | Co | mp | | Comp | | Comp | | | | | | |
| FREQU | JENCY | Permit | | n | 1 | /30 | 1 | /30 | | 1/90 | | 1/90 | | | | | | |
| - INEGO | 22.101 | Monitor | | | 1 | /30 | 1 | /30 | | 1/90 | | 1/90 | | | | | | |
| EFFL | UFNT | Permit | | | **** | | **** | | | ***** | 1 | ***** | | | | | | |
| LIMITA | | Permit A | | | Rep | | | port | | Report | | Report | | | | | | |
| | = | Permit | Maximu | m | Rep | | | port | _ | Report | | Report | | | | | | |
| | UNITS | 3 | | | LB/D |)AY | M | G/L | L | _B/DAY | | MG/L | | | | | | |
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| MONTHLY | | iΕ | | | | 0.314 | | 0.36 | | 0.00003 | | 0.036 | | | | | | |
| HIGHEST | | | | | | 0.314 | | 0.36 | | 0.00003 | | 0.036 | | | | | | |
| LOWEST | | | | | | 0.314 | | 0.36 | < | 0.00003 | < | 0.036 | | | | | | |
| NO. OF TII | | | | | | | | | | | | | | | | | | |
| EFFL. LIM | ITATIONS | EXCEE | DED | | 0 | | | 0 | | 0 | | 0 | | | | | | |

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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| Mark Henry | |
| 219.763.5869 | WW020376 |
| PHONE NUMBER | CERTIFICATION NO. |
| Joseph E. Hanning | 5/21/2017 |
| (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) | DATE |
| Joseph E. Hanning, Manager Environmental Control | Page 59 of 84 |

Indianapolis, Indiana 46206-6015